

**THE ROYAL COMMISSION ON HISTORICAL MANUSCRIPTS**

Report on the correspondence and papers

of

**WILLIAM JOSCELYN ARKELL**

(1904-1958)

geologist

in

Oxford University, Museum of Natural History

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Catalogue of the papers and correspondence of

**William Joscelyn Arkell FRS**

(1904 - 1958)

by Jeannine Alton

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## **GENERAL INTRODUCTION**

### **PROVENANCE**

The material was assembled from various sources, 1998-2002.

Arkell had bequeathed his library and fossil collection to Oxford University Museum (now the Oxford University Museum of Natural History) on his death in April 1958 and it was formally accepted by the University in June of that year. Folders of his notes and correspondence were also collected from his Cambridge home and brought to Oxford, the majority at the same time as his books and fossils, though further material continued to be received at various times up to 1968.

Some similar research material had remained in Oxford from Arkell's earlier years there before his move to Cambridge in 1947.

In 1998 Professor W.J. Kennedy, Curator of Geological Collections at the Oxford University Museum of Natural History, initiated an attempt to explore other sources of material, by personal letter to former colleagues and friends, and by a notice published in geological journals. As a result, letters and information were received from J.H. Callomon, D.T. Donovan, J.D. Hudson, H.S. Torrens and C.W. Wright, and the Sedgwick Museum, Cambridge made available photocopies of their Arkell archive.

The material from these disparate sources has been integrated into the catalogue as shown in the List of Contents.

### **OUTLINE OF THE CAREER OF WILLIAM JOSCELYN ARKELL**

Arkell, the youngest of a family of seven, was born on 9 June 1904, at Highworth, Wiltshire, into the well-known family of brewers operating at Kingsdown, Swindon. For the greater part of his life the family business ensured him independent means and a comfortable living, and left him free to pursue his own interests. From his earliest days, these had focused on the natural history and the prehistory of the English countryside, beginning with the Highworth area, explored in detail, later the Dorset coast where family holidays were spent and where he also later owned a cottage evocatively named 'Faraway'. The expertise which earned him the nickname 'Jurassic Arkell' rested on personal exploration, on foot, by bicycle or in open tourer, of the wider Cotswold region, supplemented by visits to Yorkshire, northern France and Germany; but the counties of southern England remained always nearest to his heart.

Arkell was able to extend his interest in natural history at school (Wellington College, Berkshire) as a member of the Field Club; he won prizes for essays and exhibitions, and also wrote poetry (see A.15, B.2). He left school in December 1921 and entered New College Oxford as a commoner in October 1922; perhaps surprisingly in view of his later meticulous care for geological nomenclature he was obliged to take Responsions (a Latin test) twice (see B.6). His brilliance in his chosen field was, however, beyond dispute. E.A. Vincent writes (*Geology and Mineralogy at Oxford 1860-1986*): 'There matriculated in 1922, at New College, William Joscelyn Arkell who was to become the most celebrated Oxford geologist and palaeontologist during the first half of this [twentieth] century'. Arkell took First Class Honours in geology in 1925 (the only one of that year) and was awarded the Burdett-Coutts Scholarship for work on the Corallian beds for which he was awarded his D.Phil. in 1927 and which became the subject of his earliest publications in 1926 and 1927 and of his first major monograph published in parts by the Palaeontographical Society 1929-1937.

Arkell held a College Lecturership and later a Senior Research Fellowship at New College, these being non-stipendiary or honorific posts which carried no salary and imposed no teaching or administrative requirements. L.R. Cox (*Biographical Memoirs of Fellows of the Royal Society*, 1958) wrote: 'Arkell was fortunate in being able to devote almost all his time to research. Not a moment of that time was wasted'. Apart from winter seasons 1926-1930 spent with K.S. Sandford in Egypt in a survey of Palaeolithic man along the Nile Valley, Arkell devoted his research to the Jurassic, achieving important synoptic works which consolidated his international reputation, and also shorter papers on English stratigraphy and local history, notably of the Cotswolds, Dorset and Oxford areas. He retained to the last a boyish enthusiasm, describing a set of ammonites as 'splendid beasts' and writing 'I have spent a happy day on the Corallian ammonites' (F.49. See also C.4). Collaborators and colleagues were often astounded by the speed and the extent of his work; R.V. Melville described it as 'stupendous and mind-boggling' (E.107).

Early in 1941 Arkell undertook wartime employment in London at the Ministry of Shipping (later Ministry of Transport). Though he wrote approvingly of the work and his colleagues, in 1943 he suffered a serious chest complaint, probably attributable to, possibly exacerbated by wartime difficulties. His illness, probably tubercular, became life-threatening, requiring an emergency operation and lengthy hospitalisation, and leaving him permanently affected. Correspondence during and after these years includes solicitous enquiries from friends, and on his side references to recurrent and protracted bouts of infection which would have been no more than minor coughs and colds to a normal physique. He writes in May 1953: 'my right lung is now regarded as cured and is being allowed to expand and be used again, after being compressed for 9 years' (C.5). Though obliged to give up his war work, and much restricted in his working hours, Arkell maintained a remarkable continuity of work and publication. Immediately after the war he seems to have considered applications for academic posts, but medical advice was against this, especially for the



Chair at University College, London (A.7, A.8). Instead, in 1947, he accepted a Senior Research Fellowship at Trinity College Cambridge, with a study made available for him at the Sedgwick Museum. The same year saw his election to the Fellowship of the Royal Society and the publication of *The Geology of Oxford and Oxford Stone* which attracted wide and lasting interest. Arkell's departure from Oxford was greatly lamented (see Vincent, *Geology and Mineralogy at Oxford 1860-1986*. pp 53-54).

In Cambridge Arkell resumed work at a seemingly undiminished pace, with major monographs on the Jurassic published or undertaken, papers on local geology and place-names, many submissions on nomenclature, and several collaborative papers based on specimens sent to him by colleagues in academic or mining expeditions overseas. In 1956 he suffered a severe stroke which required extended hospitalisation and left his left hand and side permanently paralysed. During the course of 1957, though confined to a wheelchair, he began laboriously to take up the threads again, resuming correspondence, drafts for publications (see C.165, C.167) and, to a limited extent, research. The letters he wrote at this time, though as intellectually rigorous as ever, are a pitiable testimony to his physical condition as he was unable wholly to control his writing hand and the script is restricted to the right half of the paper, leaving the left side empty. Work continued, though Arkell became despondent at the lack of improvement and his dependence on others for books and research tools. In April 1958 he suffered a second stroke: 'as he had hoped, when the second stroke came, it was final; he never regained consciousness' (letter from A.G. Brighton, 3 May 1958, see F.5). He was 53.

Arkell was awarded the Mary Clark Thompson Gold Medal of the National Academy of Sciences of America (1944), the Lyell Medal of the Geological Society of London (1949) and the von Buch Medal of the German Geological Society (1953), and was an honorary member or correspondent of many learned societies in Britain and overseas.

In 1929 Arkell married Ruby Lilian Percival. They had three sons.

## DESCRIPTION OF THE COLLECTION

The material is presented as shown in the List of Contents. It covers the period 1919-2001. In addition to the description of the material given below, fuller introductory matter may be found at the beginning of the sections.

The lapse of time since Arkell's death, and the circumstances of his career, mean that the surviving papers and correspondence do not conform to those of many professional scientists. The collection is strongly weighted to his lifework of research and publication, Sections C and E being exceptionally full, while his relative independence of the formal academic system results in only minor involvements

in teaching and departmental routine. His membership of learned societies has been mentioned, and it is known that he served on their, and other, committees but he was not at heart a 'committee man' and no material of this nature survives.

Section A, Biographical and personal, is one of the scantiest in the collection. There is a little material on his interest in the Chair of Geology at Oxford in 1936 in succession to W.J. Sollas, and in posts at Cambridge and University College London, which his impaired health did not allow him to pursue, in 1945. Of his public honours, only the election to the Royal Society in 1947 and the award of the von Buch Medal of the German Geological Society in 1953 are documented.

There is a copy of 'Seven Poems' privately printed after Arkell's death, and the notes he made of the birds and insects observed in his garden near Oxford.

There is virtually no private correspondence, but some of Arkell's friends and colleagues have contributed their reminiscences, which appear at A.5A.

Section B, Notebooks, covers the period 1920-1947, from Arkell's schooldays at Wellington College to the time he left Oxford for Cambridge. The school books include essays and writings related to his prize-winning work at Wellington; B.6 includes Latin proses written between school and university. The series of small pocket-sized notebooks record the field notes and measurements of quarries and formations mainly in England but also in Normandy. Most of the work dates from the intensive research years 1925-1940, with a little from the war years and after.

Section C, Research, is one the fullest and most important in the collection, covering the period from 1924 to Arkell's death, and including some posthumous correspondence to 1969. The material is presented in alphabetical order by topic, and varies considerably in extent. Most topics comprise research notes, reports on field excursions and correspondence (usually incoming only). Some of Arkell's best-known published works, such as those on building stone, the palaeoliths of the Thames Valley, and Bathonian ammonites (unfinished at his death), for which no publications drafts remain, are represented by research, information and correspondence in this section. Some of the topics extend over the years of the 1939-1945 war and the correspondence often has an added interest in reflecting the personal and social changes of the time.

Section D, Lectures, is short. Arkell's Research Fellowship at New College did not involve any obligation to teach or lecture. Nevertheless, it appears that Arkell undertook such tasks, though not on a regular basis. The most extensive item is for a course on 'Tectonic Geology'.

Section E, Publications, is the most substantial in the collection, beginning with his first paper in 1926 and continuing to his contribution to the *Lexique Stratigraphique Internationale*, published in 1963,

several years after his death.

Research, preparation and drafts for Arkell's major monographs have survived and are included here. They include *A Monograph of British Corallian Lamellibranchia*, published in instalments by the Palaeontographical Society 1929-1937 (E.5-E.14), whose Secretary thanks Arkell for his 'kind offer of a monograph'. *The Jurassic System in Great Britain* (Oxford University Press, 1933), won Arkell, then still under thirty, an international reputation. A full record is kept at E.15-E.37, including the complete manuscript in longhand, plates, figures and correspondence. The second of his monographs to be published in instalments by the Palaeontographical Society 1935-1948, *The Ammonites of the English Corallian Beds*, has fewer surviving drafts but very extensive research material, diagrams and photographs at E.38-E.78. The completed volume in 1948 has a preface by Arkell commenting on the social change and the destruction of the historical record brought about by the Second World War; the preface is reproduced in part in the introduction to this material.

In 1956 Arkell published *Jurassic Geology of the World* (Oliver and Boyd), a volume also greeted with acclaim and also written in longhand and put out to typing. The documentation at E.139-E.161 includes (E.144) his note of the book's publication chronology and the receipt of £50 advance royalties. The last of his major works is the contribution to Part L of the *Treatise on Invertebrate Paleontology* (University of Kansas Press, 1957), which includes manuscript drafts, illustrations and extensive correspondence with the editors and with Arkell's co-author and long-term friend C.W. Wright (E.162-E.193).

In addition to these monumental publications, Arkell poured out a stream of valuable work on the English fossil record, tectonics, prehistory, topographical place-names and building stone. During his Cambridge years he also published papers, some collaborative, on ammonites from overseas locations sent to him for identification.

His many contributions to the *Bulletin on Zoological Nomenclature* are not documented in the surviving papers. Several apparently unpublished drafts are presented at E.197-E.210.

Section F, Sedgwick Museum Cambridge, is a photocopy record, kindly made available by the Museum, of the papers and correspondence relating to Arkell held there. It includes material on research and publications in hand at the time of his death, and also on the administration and disposition of the estate by A.G. Brighton, then Curator of the Museum and a long-term friend. The papers have been retained and listed as an entity here for the convenience of those seeking information about holdings in Cambridge.

Section G, Meetings and excursions, is very scanty and far from an adequate account of the meetings which Arkell is known to have attended, or of the many research excursions he made in Europe or his

return visits to Egypt.

Section H, Correspondence is not extensive because Arkell kept most of his correspondence with the research or publication material to which it directly referred. It is, however, of interest in several aspects. Most of Arkell's career was spent outside the hub of conventional academia, and all of it in the pre-computer age. Typewriters, and the secretaries to use them, came late to his life. Like his drafts for publication, most of his correspondence up to, and even after, the Second World War is conducted in his flowing, very legible longhand on small format writing paper. J.H. Callomon recalls (A.5A) that even in the 1950s the postcard was Arkell's preferred vehicle of communication. In later years carbon copies of typewritten letters do survive, often on the back of drafts for previously published papers not always surviving elsewhere in the collection.

By birth and education, Arkell belonged to a reticent generation. Though highly sensitive to the natural world and with a connoisseur's dedication to his chosen specialism, his independent means and untrammelled freedom of research set him apart from most of his laboratory and departmental colleagues, and his self-reliance seemed distancing and aloof. Personal references are consequently rare in the correspondence. Only a few long-term friends addressed him as 'Jos'; to most he remained 'Arkell'. Mentions of his health, and that of his wife, or of his children are rare, though in fact Arkell does refer to their journeys to and from school and to keeping school holiday times free.

While Arkell himself spent his life in academia, albeit semi-official, many of his correspondents were 'amateur', or at least 'non-professional' geologists, typifying the long tradition of observers and collectors of the natural world, many of whom became acknowledged experts in their field while others remained humbler witnesses of local phenomena and small enterprises. Among Arkell's correspondents, E.O. Atkinson was a village postmaster, P.J. Channon an engineer, J. Fowler a vicar, J.B. Jones and Ll. Treacher were schoolmasters, A.D. Passmore was an antique dealer, L. Richardson a banker, D.N. Riley an RAF pilot, E.D. Sedding a Jesuit priest, J.W. Tutchter a businessman; the shadowy W. Newton ('Bill of Benson') dealt in palaeolithic specimens. J.H. Callomon, with wide expertise in Jurassic ammonites, was a professor of chemistry, while the remarkable Wright brothers were respectively a senior civil servant and the director of a major industrial company. C.W. Wright contributes a spirited defence of 'amateur' status in a speech included at H.34.

Section J, Non-text material, illustrates Arkell's penmanship and photographic skills; the coloured and heavily annotated sheets of Ordnance Survey maps show his painstaking surveys over many years in the counties of Southern England.

## BIBLIOGRAPHICAL NOTE

Many folders in the collection contain written reports by Arkell on specimens sent to him, or on excursions undertaken; they are listed in the entries. In addition, there are drafts, some typed up and complete with references apparently intended for publication, but which do not appear in the Bibliography of Arkell's works included with the Royal Society *Memoir*.

Attention is drawn to the following items:

C.1, C.2, C.40, C.81, C.124, C.165, C.167, D.7, E.197-E.207, F.4, H.35.

## LOCATIONS OF OTHER MATERIAL

Bristol City Museum and Art Gallery Geology Department: letters to J.W. Tutcher, refs TUT.001, TUT.002.

British Geological Survey, Keyworth, Nottingham: letters to G.A. Kellaway, C.N. Bromehead, refs IGS1/1016, IGS 1/1208.

Sedgwick Museum, Cambridge: collections and papers. See Section F.

Dorset County Museum, Dorchester: Corallian Bivalvia.

Oxford University Museum of Natural History: fossil collections, library, photographic negatives, glass plates, Arkell's medals.

## ACKNOWLEDGEMENTS

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To Mrs M. Green, Mr R. Hall, Mr H.P. Powell, Mr K. Walsh, and especially Professor W.J. Kennedy of the Oxford University Museum of Natural History, for information and for patience in pursuing and answering enquiries.

To the Sedgwick Museum, Cambridge for making available a record of its holdings of Arkell material.

To Dr David Storey for information on *Oxford Stone*.

To Mr Peter Arkell, Professor J.H. Callomon, Dr D.T. Donovan, Mr J.D. Hudson, Dr H.S. Torrens, Dr C.W. Wright and Dr E.V. Wright for contributing correspondence or their recollections of Arkell.

To Mr Raymond Arkell for allowing copies to be made of personal and family photographs.

**SECTION A**

**BIOGRAPHICAL AND PERSONAL, A.1-A.34**

**1924-1977**

The contents of this section are unfortunately scanty. Virtually no biographical material was received from Cambridge after Arkell's death and, after so long a lapse of time, personal recollections from family or professional sources are few. The reminiscences kindly contributed by family, colleagues and friends at A.5A are all the more valuable.

No records remain of Arkell's membership of learned societies in Britain and overseas, or of his services on their councils or committees. Of the medals and honours he received, only those relating to his election to the Fellowship of the Royal Society and the award of the von Buch Medal of the German Geological Society are documented.

The material is arranged as follows:

- |           |   |
|-----------|---|
| A.1-A.5A  | OBITUARIES AND TRIBUTES                 |
| A.6-A.14  | CAREER AND HONOURS                      |
| A.15-A.20 | PERSONAL CORRESPONDENCE<br>AND MATERIAL |
| A.21-A.34 | PHOTOGRAPHS                             |

### Biographical and personal

A.1-A.5A	OBITUARIES AND TRIBUTES	1950s, nd
A.1	Obituary notice by P.L. Mauberge, <i>Bull. de la Soc. belg de Geol. de Paléontol. et d'Hydrol.</i> , vol 67 (1958).	1958
A.2	'In Memoriam William Joscelyn Arkell' by L.R. Cox.  Obituary notice probably from <i>Proc. Dorset nat Hist Fld Cl.</i> , vol 61.	1950s
A.3	'William Joscelyn Arkell', by L.R. Cox, <i>Biographical Memoirs of Fellows of the Royal Society</i> , vol 4 (1958).  Included here is the typescript draft of the Memoir, with some amendments and additions by J.M. Edmonds and another, and also a short biography of Arkell by Edmonds, <i>Dictionary of Scientific Biography</i> (New York, 1970-1976).  References to the Bibliography of Arkell's works are made to the published Memoir.	1958
A.4	Funeral and bequest.  Order of Service at Arkell's funeral, Trinity College Cambridge, 24 April 1958.  Extract from Oxford University Gazette, accepting Arkell's bequest, June 1958 (see also F.2).	1958
A.5	Letters of condolence on the death of Arkell.  Includes letter on Arkell's portrait for the Geological Society 1993. See also A.15 and A.23.  Letters received by C.W. Wright and passed on by him in 1993.	1958
A.5A	Biographical recollections and information.  Supplied by family, colleagues and friends, some very	Nd

### Biographical and personal

brief, others expansive and including reflections on the teaching of geology, the Oxford and Cambridge systems etc. Some were written in response to requests by W.J. Kennedy and take the form of a letter to him.

Some of the correspondence in section H, e.g with D.T. Donovan, includes a little biographical material of this kind and is noted in the entries in that section.

<b>A.6-A.14</b>	<b>CAREER AND HONOURS</b>	<b>1936-1954</b>
A.6-A.8	Career	1936-1946
A.6	Letter of support for Arkell's application for the Chair of Geology, Oxford.  Arkell applied for the Chair in succession to W.J. Sollas.  No official documentation for this application survives.	1936
A.7	Correspondence on application for Lectureship in Geology, University of Cambridge.  Arkell was obliged to decline this offer because of his continuing ill-health.	1945
A.8	Correspondence on application for Chair of Geology, University College London.  Included here are particulars concerning the Chair in Geology, University College of Swansea, 1946.  Arkell was obliged to decline this offer because of his continuing ill-health.  See also C.133.	1945
A.9-A.12	Election to Fellowship of the Royal Society	1947
A.9	Official notice of election and shorter miscellaneous official correspondence.	1947



### Biographical and personal

A.10	Letters and messages of congratulation, A-F.	1947
A.11	Letters and messages of congratulation, H-R.	1947
A.12	Letters and messages of congratulation, S-W.  Includes first-name or illegible signatures, including a note in verse, 'To an Arkellologist', to which Arkell has replied in kind.	1947
A.13-A.14	Award to Arkell of the Leopold von Buch Medal of the German Geological Society.  Arkell was awarded the medal at the meeting in Tübingen, West Germany, 11-14 September 1953.	1953
A.13	Correspondence, August 1953-January 1954.  Includes invitation, arrangements, Arkell's speech of acceptance (in German), letters of thanks, continuing correspondence on research, exchange of books and reprints.	1953- 1954
A.14	Information, programme of events, excursions, participants, a note on Leopold von Buch.	1953
<b>A.15-A.20</b>	<b>PERSONAL CORRESPONDENCE AND MATERIAL</b>	<b>1937-1977</b>
A.15	'Seven Poems'.  Booklet privately printed and circulated 'as a memorial of the author to be sent out to his friends on his birthday, 9 June 1958', by 'Pansy' (E.E.L. Panzer), Arkell's nurse in his last illness. This copy was sent to C.W. Wright, from whom it was received together with the letters of condolence at A.5 and photographs at A.23.	1958

### Biographical and personal

- /...
- The poems, written by Arkell as a schoolboy and young man, were first published in *Wessex Song. An Anthology of Contemporary Dorsetshire and Wiltshire Poetry*, by Fowler Wright (London, 1928).
- See A.5 and A23. See also B.2 for essays on the natural world written by Arkell as a schoolboy.
- A.16 Arkell's notes on birds and insects observed in the garden of Hurstcote. 1940-1948
- Hurstcote was Arkell's home at Cumnor, Oxford.
- A.17 Shorter personal correspondence. 1937-n.d.
- Letter of 1937 refers to Arkell's unsuccessful application for the Chair of Geology at Oxford (see also A.6).
- A.18 Letter from Arkell to G.A. Kellaway, 21 August 1941. 1941
- The letter is of interest in referring to successful boring on Arkell's advice for water supplies to a wartime shadow factory, perhaps related to work documented at C.176.
- Photocopy of original held at British Geological Survey (their ref: IGS 1/1016).
- Arkell's extensively annotated map of the Highworth district at J.15 includes a note 'Boring 1941 (adviser W.J.A.) to 79ft (June). Gusher overflowing 2000 gallons per hour from the Highworth grit'.
- A.19 Letter from Arkell to J.A. Douglas, on consultation fees, 22 March 1952. 1952
- A.20 Letter, addressed to 'My dear Echinoderms' from A.J. Arkell (cousin), December 1950. 1950
- Includes an inscribed copy of 'The Old Stone Age in the Anglo-Egyptian Sudan'.

**Biographical and personal**

<b>A.21-A.34</b>	<b>PHOTOGRAPHS</b>	<b>1924-1944</b>
A.21-A.23	Miscellaneous photographs	1937-1957
A.21	Bound album of photographs taken in Scotland.  Most photographs identified and described by Arkell. 14-21 August 1937.	1937
A.22	Envelope of photographs received via H.P. Powell, November 1998.  Includes Arkell family coat of arms, photographs of Arkell in academic dress, photographs of Arkell some alone, some with E.J. Bowen at Kimmeridge, August 1956.	1956
A.23	Photographs received from C.W. Wright, 1998.  Some of the photographs are inscribed 'Summer 1956' (before Arkell's first stroke) and some 'Springtime 1957' taken during his convalescence.  See also A.5, A.15.	1956-1957
A.24-A.34	Personal and family photographs  These are copies of originals kindly made available by Mr Raymond Arkell (son) in October 2001.  Three albums of family photographs dated 1936, 1937 and 1939, other miscellaneous photographs and pastels by Arkell remain in family hands.	1924-1944
A.24	Photograph of Arkell  Note on verso 'Portreath quay July 1924. While taking course in mining at Camborne, Cornwall'.  See B.16 for notes and a diary made at this time.	1924

**Biographical and personal**

A.25	Photograph of Arkell  Another copy of the photograph at A.24.	1924
A.26	Punting at Oxford.	Nd
A.27	'At Oak Hill Cheltenham 18 Sep. 28 Jos & Ruby'.  'Ruby' is Mrs Arkell.	1928
A.28	Wedding Day.	1929
A.29	Arkell and his wife.  With a note on verso 'at 14 Chadlington Road Oxford 1929-1934'.	c 1929-1934
A.30	Arkell and his wife.  Another copy of the photograph at A.29.	c 1929-1934
A.31	Photograph of Arkell.	Nd
A.32	Photograph of Arkell's wife.	Nd
A.33	Family group photograph  With note by Raymond Arkell on verso 'Mervyn/Dad/Raymond at Hurstcote Cumnor after Raymond's return from USA in May 1944 (having gone there in July 1940)'.	1944
A.34	Arkell with his bicycle.	Nd

**SECTION B**

**NOTEBOOKS, B.1-B.37**

**1919-1947**

In his Memoir of Arkell for the Royal Society (A.3), L.R. Cox refers to his 'copious diaries', methodically documented fieldwork, prize essays and verse compositions begun during schooldays at Wellington College. Unfortunately few of these survive (though see A.15, B.2) and the material described here, which had remained in the Oxford University Museum of Natural History, represents a relatively random, and certainly incomplete selection. It includes a very few items from early days (B.1-B.3) and ends about 1947 when Arkell left for Cambridge. None of the material returned from Cambridge after his death includes work of this kind.

The surviving notebooks, which are presented in chronological order as far as ascertainable, testify to Arkell's highly methodical and controlled approach to his work. Notes and drawings are carefully set out, labelled and ordered, in Arkell's legible, flowing hand which hardly varied throughout his life. By contrast the books themselves are surprisingly heterogeneous. Hardly any two are alike. Far from forming an organised sequence as might have been expected, they vary in format, binding and colour and seem to have been purchased from Oxford stationers as and when required. Arkell was, however, usually careful to write his name, college or home address inside the cover.

While the probable loss of some of Arkell's early student or research notes is much to be regretted, it should be noted that many of his later expeditions, investigations of sites, collection and identification of specimens are recorded in reports and notes kept with correspondence in other sections of the collection.

The material is presented as follows:

- |           |                           |
|-----------|---------------------------|
| B.1-B.3   | SCHOOL                    |
| B.4-B.17  | OXFORD UNIVERSITY         |
| B.18-B.32 | RESEARCH AND FIELDWORK    |
| B.33-B.37 | UNDATED AND MISCELLANEOUS |

### Notebooks

/...	Arkell's entry for 16 August records 'Good bugging day wasted by grand slam picnic at Studland'.	
<b>B.4-B.17</b>	<b>OXFORD UNIVERSITY</b>	<b>1922-1925</b>
B.4-B.7	Chemistry notebooks.	1922-1925
B.4	Hard-backed notebook inscribed 'W.J. Arkell. Oct 1922 Chemistry'.  Notes, preparations, experiments.  At rear of book 'Analysis May 1923' on reagents and metals, properties and experiments.	1922
B.5	Blue soft-backed notebook inscribed 'Chemistry. Notes from Mr Hammick's lectures Jan. 1923'.  Notes and experiments.  In centre of book are notes for 'Summer Term 1923'.	1923
B.6	Marbled hard-backed notebook inscribed 'Organic Chemistry Spring vac. 1923 and other notes. New Coll. Oxford summer 1923'.  Detailed notes on compounds and their properties. At rear of book: 'W.J. Arkell Jan. 1922 Latin Proses etc'. Several pages torn out.  Arkell left school in December 1921 but, as L.R. Cox records (Memoir, p.2) did not pass Responsions (a now obsolete component of the Oxford entrance examination) until the second attempt 'owing to weakness in Latin'.	1922, 1923
B.7	'Introduction to Chemical Theory. A.F. Walden'.  Typescript notes for class use, with manuscript notes and experiments by Arkell.  Includes notes on 'Latest work (1925) on the transmutation of elements'.	1925

### Notebooks

B.8	<p>Marbled hard-backed notebook inscribed 'Oxford University Department of Botany. W.J. Arkell New College. Oct. 1922'.</p> <p>Notes on a course of 15 lectures, drawings and diagrams. Many other drawings by Arkell of botanical specimens are on other pages of the book.</p>	1922
B.9-B.12	Zoology notebooks.	1920s
B.9	<p>Red loose leaf binder inscribed 'W.J. Arkell New College Nov. 1922. Zoology Medical Prelim. Course'.</p> <p>Timetable, detailed notes and diagrams for a course by 'Mr [Julian] Huxley'.</p> <p>Arkell records that J.S. Huxley 'made zoology so interesting that he nearly weaned me from geology to it, but not quite'.</p>	1922
B.10	Two essays by Arkell, probably both for J.S. Huxley; one has his signature 'J.S.H' and comments.	Early 1920s
B.11	<p>'Notes on General Zoology'.</p> <p>Typescript notes, perhaps teaching material, with manuscript drawings and notes by Arkell.</p>	Early 1920s
B.12	<p>Large black loose-leaf binder labelled 'Practical Notebook of Elementary Biology', inscribed 'W.J. Arkell New College'.</p> <p>Dissections and experiments.</p>	Early 1920s
B.13-B.17	Geology notebooks.	1920s
B.13	Black soft-backed notebook inscribed 'W.J. Arkell, June 1923, Geological Notes'.	1923
		/...

### Notebooks

- /...
- Mainly notes on the literature. There is an index of topics covered and works consulted tucked into the front of the book. Notes continue on unnumbered pages, the latest date being 1926.
- Pages numbered 1-100 and some unnumbered.
- B.14 Purple hard-backed notebook inscribed 'W.J Arkell, Oct.1923, New College, Geology Lecture Notes'. 1923
- In the centre of book, extensive notes on 'Palaeontology'. Both ends of book used.
- B.15 Purple hard-backed notebook inscribed 'Petrological Notes. If found, please return to W.J Arkell. New College'. 1924
- Includes 'Lecture notes May 1 1924' and notes on the literature. Also includes 5pp 'Self-examination rocks' of numbered specimens and descriptions.
- B.16 Marbled hard-backed notebook inscribed 'W.J. Arkell, Camborne, July 7 1924'. 1924
- Notes on the geology of Cornwall and the history and methods of the mining industry made during a summer course. In centre of book 'Diary of Excursions', 8 July - 15 August, an account of expeditions by car, bus, train and on foot, sometimes alone, sometimes apparently with Oxford friends. At rear of book extensive notes on minerals.
- See A.24 for a photograph of Arkell taken during this course.
- B.17 Green soft-backed notebook. 1920s
- At front of book, notes on plant and animal evolution. At rear of book, notes on rock formations, earthquakes, volcanoes, human anthropology. Some notes headed 'Professor Hilary Term' and 'Professor 1925' (perhaps W.J Sollas). 1 page headed 'K.S.S 12 May' (K.S Sandford).



### Notebooks

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|------------------|--|------------------|
| <b>B.18-B.32</b> | <b>RESEARCH AND FIELD WORK</b>   | <b>1920-1946</b> |
|                  | <p>These are relatively small format books, compiled while Arkell was still at Oxford as Burdett-Coutts Scholar, then lecturer and Senior Research Fellow of New College. The books continue to be inscribed with his name and college, but relate to his research interests beyond the university curriculum.</p>   |                  |
| <b>B.18</b>      | <p>Beige soft-backed notebook inscribed 'If found, please return to W.J Arkell, New College'.</p> <p>Notes and diagrams on the geology of Southern England and the Oxford region, mainly based on the literature, but some on own expeditions. Includes description and diagram of Wheatley Brickyard with a note 'Measured with Bayzand [University Demonstrator in Geology] and Pringle, 24 Oct. 1924'.</p> <p>At rear of the book is a plan for chapters of a book or extended paper on the geology of England. Arkell's note for chapter 5 includes 'disagreement with Buckman' and for chapter 8 reads 'The Correlation question and Palaeontology, tendency of older men to rely too much on lithology and tendency of younger to overstress palaeontology'.</p> | <b>1920</b>      |
| <b>B.19</b>      | <p>Green soft-backed notebook inscribed 'W.J Arkell, New College, Oxford. Field notes and measurements'.</p> <p>The notebook includes contents note 'Corallian of Oxford, Berks and North Wilts., 1924-25' (the title of Arkell's paper in <i>Phil. Trans.</i> B, vol. 216 (1927), see also E.2, E.3).</p> <p>Mainly description and diagrams of pits and quarries near Oxford. Last page of notes refers to 'Bagley Wood Quarry' with a note 'Revised June 12 1934.'</p>  | <b>1920-1930</b> |
| <b>B.20</b>      | <p>Red soft-backed notebook inscribed 'W.J Arkell, Redland Court, Highworth, Wilts, field notes and measurements taken in quarries'.</p> <p>The notebook has a contents note 'Corallian of Wilts. and Berks, 1924-1926.' Notes, descriptions, diagrams, several expeditions. At rear of book, notes on the Cornbrash.</p> <p>Redland Court was Arkell's family home.</p>   | <b>1924-1926</b> |

### Notebooks

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|------|--|-----------|
| B.21 | <p>Black soft-backed notebook inscribed 'W.J Arkell, New College, Oxford. Corallian notes 1926 Weymouth'.</p> <p>The contents list, which includes Oxford locations as well as Dorset, extends to 31 December 1937 with detailed measurements and descriptions.</p>  | 1926-1937 |
| B.22 | <p>Black soft-backed notebook inscribed 'W.J Arkell'.</p> <p>The notebook has a contents note 'Cornbrash: South-Western area 1926-1927'. Detailed measurements and descriptions. Material for collaborative paper with J.A Douglas 'The Stratigraphical Distribution of the Cornbrash I.', <i>Quart. J. Geol. Soc. Lond.</i>, vol. 84 (1928).</p>  | 1926-1927 |
| B.23 | <p>Red soft-backed notebook inscribed 'W.J Arkell, 14 Chadlington Road, Oxford. Cornbrash field notes 1928-For Part II'.</p> <p>The contents list includes the Cornbrash and also notes made at the Scarborough and York Museums, 1930. Notes and descriptions July 1928-June 1933. At rear of book, notes on the literature, mainly French sources, and notes on Lamellibranch terms.</p> <p>Material for collaborative paper with J.A Douglas "The Stratigraphical Distribution of the Cornbrash II", <i>Quart. J. Geol. Soc. Lond.</i>, vol. 88 (1932).</p> | 1928-1933 |
| B.24 | <p>Black soft-backed notebook inscribed 'W.J Arkell, 14 Chadlington Road, Oxford, Normandy July 5-9 1930'.</p> <p>The contents list includes in addition to Normandy many other localities visited in the West Country and Oxford region 1930-1932. Detailed descriptions, diagrams, measurements.</p>   | 1930-1932 |
| B.25 | <p>Red soft-backed notebook inscribed 'W.J Arkell, 14 Chadlington Road, Oxford'.</p> <p>The contents list includes many localities in Southern England 1931-1933. Detailed descriptions, diagrams and measurements, particularly of the Dorset coast, which continue beyond those listed in the contents.</p>  | 1931-1933 |

### Notebooks

- |      |   |           |
|------|---|-----------|
| B.26 | <p>Black soft-backed notebook inscribed 'Kimeridge Clay'.</p> <p>Descriptions, diagrams, measurements 1932-1937, some notes on the literature.</p> <p>At rear of book, narratives and diagrams of expeditions especially Lulworth coast, probably for work on Purbeck beds, 1936-1937. In centre of book, notes on 'L.G.S' (Lower Greensand), expeditions and measurements 1937-1938 and 'Gault and U.G.S.' (Upper Greensand) 1937.</p> | 1932-1937 |
| B.27 | <p>Black hard-backed notebook inscribed 'Canada and USA June-July 1933'.</p> <p>Arkell's account of his visit in connection with the International Geological Congress, June - July 1933..</p>  | 1933      |
| B.28 | <p>Black soft-backed notebook inscribed 'W.J Arkell'.</p> <p>The contents list includes the Boulonnais area of France and many localities in Southern England, March 1934-July 1936. Expeditions, diagrams, measurements, notes on the literature which continue beyond those listed in the contents to July 1937.</p>  | 1934-1937 |
| B.29 | <p>Black hard-backed notebook inscribed 'Tertiary and Quaternary. South Dorset 1938'.</p> <p>Descriptions and measurements. The last expedition is to Worbarrow Broken Beds 'Notes of a visit with E.B (Sir Edward) Bailey, 12 Aug. 1939'. At rear of book, notes on Wealden rocks on the Dorset coast.</p>   | 1938-1939 |
| B.30 | <p>Black soft-backed notebook (no inscription).</p> <p>Measurements of Auger holes. Various dates, March-August 1938. Expedition January 1939.</p>  | 1938-1939 |
| B.31 | <p>Brown exercise book inscribed 'W.J Arkell, New College, Nov. 1925, photographic records.'</p> <p>Details of photographs taken, camera used, time, weather conditions and results with various cameras 1925-1940.</p>   | 1925-1940 |

### Notebooks

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|------------------|--|-----------|
| B.32             | Beige soft-backed notebook (no inscription).<br><br>Notes on beaches, especially Saunton Sands, Devon, March 1943. Notes on quarries and pits in Oxford region 1943-1946. At rear of book, notes on tides and beaches.   | 1943-1946 |
| <br>             |  |           |
| <b>B.33-B.37</b> | <b>UNDATED AND MISCELLANEOUS</b>   |           |
| <br>             |  |           |
| B.33             | Black hard-backed notebook inscribed 'W.J Arkell. Palaeontology (Invertebrate)'.<br><br>Both ends of book used. Notes and drawings, perhaps part of University lecture course.<br><br>Pages numbered 1-108 (not all used).   | Nd        |
| <br>             |  |           |
| B.34             | Small black hard-backed notebook (no inscription).<br><br>Notes on ores and minerals.  | Nd        |
| <br>             |  |           |
| B.35             | Thick black hard-backed notebook inscribed 'Please return to W.J Arkell. New College, Oxford. Notes on British Corallian Mollusca, Lamellibranchia'.<br><br>Index at rear. Detailed notes on species and nomenclature. Tucked into p.88 is a letter from C.J Stubblefield 17 August 1935 regarding receipt of a manuscript by Arkell to be published that year. This probably refers to the monograph on the ammonites of the English Corallian Beds published 1935-1948 by the Palaeontographical Society (see E.38-E.78). At rear of book 'Notes on Bathonian Brachiopoda 1930-'.<br><br>Pages numbered 1-100. | 1930s     |

### Notebooks

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|------|--|----|
| B.36 | <p>Content of a loose-leaf binder.</p> <p>A collection of essays or short examination answers, usually written on the right hand page, with questions, notes or additional information on the left. The essays are in ink with some additions in red or black pencil. They may originate in undergraduate work at New College, later revised by Arkell.</p> <p>Binder was discarded.</p>                                     | Nd |
| B.37 | <p>Black soft-backed notebook inscribed 'Transcripts from manuscript diaries by G.F Harris 1893-1894 in the Geological Survey Library'.</p> <p>Transcripts made for Arkell during his work on <i>Oxford Stone</i> (1947) also including 'The Travels Through England of Dr Richard Pockocke during 1750, 1751 and later years', and relate to the quarries of Bath and Portland Stone. A few notes in Arkell's own hand.</p> | Nd |

**SECTION C**

**RESEARCH, C.1-C.183**

**1924-1969**

The material is presented alphabetically by topic titles, which are those chosen by Arkell on his folders. This arrangement is avowedly for convenience only. It does not reflect the extent of the work covered by each heading, nor its chronological place in Arkell's lifetime of continuous research. The papers grouped at C.1-C.22 under the generic heading 'Ammonites', for example, relate to the last years of his life, when, as the foremost living authority on Jurassic ammonites, he was in constant worldwide demand for advice and reports on stratigraphic dating. Conversely, the 'Egypt' material at C.91-C.114 goes back to the 1920s and Arkell's work with K.S. Sandford for the Oriental Institute of the University of Chicago, while work on 'Wells and boreholes' at C.168-C.183 begins in the 1920s, covering research sometimes undertaken at the request of, or in collaboration with, construction and drilling firms.

Some of the work led to, or resulted from, published papers, and there is therefore an inevitable overlap with the material in Section E, Publications; cross-references are given where possible. Many folders contain short reports on an excursion or investigation of some geological formation; these are noted in the entries and, if they are substantial or apparently intended for publication, they are included in the list of unpublished work in the introduction to this catalogue.

The research, correspondence and background information for some of Arkell's best-known works, such as those on Bathonian ammonites, building stone and the Thames Valley, for which no drafts survive, are in this section.

The material was almost all received at various dates from Cambridge after Arkell's death, in large envelopes or very bulky tagged folders bearing his own title and a note of the date received (often as late as 1968). The bulky folders have been retained and their titles quoted, but the contents have been divided into more manageable units. These may include research notes, figures and diagrams, extensive correspondence, arrangements for field excursions and reports thereon. Some are very brief but most cover a considerable timespan.

Unfortunately, very few of Arkell's letters survive until the late 1940s. Before then, though he was clearly a punctilious correspondent, his own letters have to be deduced from those of others.

The material is presented as follows:

**Research**

C.1-C.22	AMMONITES
C.23-C.48	BATHONIAN
C.49-C.84	BUILDING STONE
C.85-C.90	DORSET TECTONICS
C.91-C.114	EGYPT
C.115-C.116	FULLER'S EARTH
C.117-C.122	LIAS AMMONITES
C.123-C.124	NATURE RESERVES
C.125-C.155	PALAEOLITHS
C.156	PURBECKIAN
C.157	RINGSTEADIA
C.158-C.167	STRATIGRAPHICAL TERMINOLOGY
C.168-C.183	WELLS, QUARRIES, BOREHOLES

## Research

### C.1-C.22                      **AMMONITES**                      1950-1969

The material grouped under this general heading dates from the 1950s. It includes research material, figures and diagrams, correspondence and reports on the discovery or identification of ammonites in many locations.

Some enquiries were initiated by Arkell for his major works *Jurassic Geology of the World* and *Treatise on Invertebrate Paleontology*, but the majority reached him from oil or mining companies, or from colleagues; some of the work led to publications, or derived from published papers, and includes substantial research findings.

Loans and returns of specimens are an important aspect of the work. Arkell was careful to number and record all material sent to him, sometimes arranging for items to be deposited in or given to the Sedgwick Museum. Later correspondence after his death deals with the verification of material returned or deposited.

See also F.5-F.43.

### C.1-C.7                      **Algeria**                      1952-1968

Contents of a folder inscribed 'ALGERIA' and with a manuscript note by J.M. Edmonds 'Returned from Cambridge 1968'.

This work derived from the ammonite collection of *Ermoceras* of G. Lucas (University of Algiers), with whom Arkell wrote a collaborative paper on the subject (*C. R. Acad. Sci. Paris*, 236 (1953), see C.5).

Arkell seems to have drafted a further paper on which Lucas might have collaborated, but although Arkell kept up a lively correspondence with other French colleagues (C.4, C.5) Lucas himself proved tardy and no further work is listed in the Bibliography.

C.1                      'The ammonites from the Bajocian *Ermoceras* beds of Algeria, and their age'.                      1 Mar 1953

17pp manuscript draft + 3pp references.

C.2                      Typescript draft.                      1953

14pp typescript version of C.1 with manuscript corrections.



### Research

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|-----|---|-------------|
| C.3 | Arkell's manuscript notes on Algerian Bathonian specimens, including some collected by him or sent to him.  | early 1950s |
| C.4 | <p>Notes and correspondence.</p> <p>Correspondence mainly with G. Lucas and other French colleagues, including lists and localities of Bathonian specimens collected by them in Algeria, and notes of specimens lent and returned (with manuscript notes of their return in 1967).</p> <p>Arkell's correspondence with P. Mauberge, September - October 1952, is in French.</p> <p>Arkell's first letter to Lucas after their expedition (6 February 1952) begins: 'I have spent the first happy morning washing and working through the Bathonian ammonites safely brought home packed inside my new boots'.</p> <p>A possible collaborative paper is referred to in correspondence February - April 1952 and in March 1953, but this does not refer to the drafts at C.1, C.2.</p>                  | 1952 - 1953 |
| C.5 | <p>Notes and correspondence.</p> <p>Correspondence with Lucas and colleagues in Algeria, France and UK, April 1953-June 1956, including lists, receipts and returns of specimens for identification. A possible publication is referred to in letters 6 June 1954 and 9 May 1955.</p> <p>A draft and copy of the Arkell-Lucas paper 'Découverte récente du genre <i>Ermoceras</i> Douvillé dans l'Atlas saharien occidental' (<i>C. R. Acad. Sci. Paris</i> vol. 236 (1953)) are included here.</p> <p>Arkell's letter of 5 May 1955 agrees to a collaborative publication with G. Busson, University of Algiers, in <i>C.R. Acad. Sci. Paris</i>. Busson writes, 11 June 1955, that he is sending ten offprints 'de notre note' but there are no details or mention of this in the Bibliography.</p> | 1953-1956   |
| C.6 | Later correspondence on return of specimens to Paris, 1958 and on transfer to Oxford of Arkell's file and Algerian specimens, 1968.   | 1958, 1968  |

### Research

- C.7 Envelope of photographs 'Algerian Ammonites Bathonian'. 1950s  
With brief covering note (unsigned) from Lucas.
- C.8 Arabia 1956**  
Contents of a folder inscribed 'Arabia 1954-'. The dated material and correspondence is all 1956.
- C.8 Correspondence, location map, lists of specimens and identifications of ammonites from various localities in Arabia, undertaken for R.G.S. Hudson, then working for Iraq Petroleum Company.  
Some of the specimens were presented to the Sedgwick Museum.
- C.9 Australia 1954-1966**  
Contents of a folder inscribed 'Australia II' with a note by J.M. Edmonds 'Returned from Cambridge 1968'.
- C.9 Correspondence, lists of specimens and identifications, information from colleagues in Australia and UK, Arkell's reports. 1954-1958.  
Correspondence 1966, concerns the return to Australia of the specimens at the Sedgwick Museum.  
The enquiry was undertaken at the request of the West Australian Petroleum Pty Ltd, the specimens being deposited 'on permanent loan' at the Sedgwick Museum. The work was still under way at the time of Arkell's death.
- C.10-C.12 India and Baluchistan 1940-1954**  
Contents of a folder so inscribed, with a manuscript note by J.M. Edmonds 'Returned from Cambridge 23.9.68'.  
The correspondence is conducted principally with the Burmah Oil Company, and also with other institutions as well as with colleagues. Arkell's letter of 7 May 1951 explains: 'For some years I have been collecting material and references for a book reviewing the stratigraphy of the Jurassic of the world ... and I am getting within sight of trying to write up the eastern part of the Tethys'.

### Research

- /...
- The specimens and material forwarded to Arkell included some early maps and reports by employees, in particular by A. Allison, and correspondence from J.A. Douglas 1940.
- Arkell, who was delighted with the specimens, mentioned that they might be deposited at the Sedgwick Museum in February 1952 and this was agreed January 1953.
- C.10                      Correspondence from Douglas and others, and maps by A. Allison.                      1940
- Maps referred to in correspondence at C.11.
- C.11                      Correspondence with Burmah Oil Company.                      1951
- Includes despatch of material, and extracts made for Arkell from company reports by Allison and others 1939-1940.
- C.12                      Correspondence with Burmah Oil Company, Geological Survey of Pakistan and others.                      1952-1954
- Correspondence mainly on despatch of material and reports on Cutch ammonites.
- Includes list of specimens collected by Sir Henry Hayden in 1903 on which Arkell wrote a paper 'Bajocian ammonites collected by Sir Henry Hayden near Kampadzong, Tibet' (*Geol. Soc. Lond.*, vol 90 (1953)). No draft of the paper survives.
- C.13-C.15                      Japan                      1950-1955**
- Contents of a folder so inscribed.
- C.13                      Correspondence, chiefly with T. Matsumoto of Kyushu University, and other colleagues, on Japanese Jurassic ammonites.                      1950-1955
- Includes 20pp paper by Matsumoto (translated for Arkell), receipt of specimens and Arkell's report, arrangements for Matsumoto to visit UK as a British Council scholar, a little correspondence on the *Treatise*.
- C.14                      2 geological maps of Japan by Matsumoto.

### Research

- C.15 7 envelopes of photographs, most with identifications and dates (1953, 1954), by Arkell.
- C.16-C.18                      New Guinea                      1954-1969**
- Contents of a folder so inscribed, with a manuscript notes 'Used in New Zealand paper'. The reference is to Arkell's paper 'Two Jurassic ammonites from South Island, New Zealand', *N.Z. Sci. Tech.* vol 35 (1953) but the material postdates this.
- C.16 Correspondence with oil companies, principally British Petroleum and Anglo-Saxon Petroleum, on specimens sent to Arkell for examination and his reports and notes, a little correspondence with C.W. Wright. 1954-1956
- Arkell's letters of 3 February 1955 and (undated) September 1956 mention a monograph in preparation on New Zealand Jurassic ammonites, but this is not recorded. His requests for the Papuan specimens to remain in the Sedgwick Museum were declined for reasons of commercial confidentiality.
- C.17 Correspondence on the return of material. 1969
- C.18 Envelope entitled 'Papua ammonite and belemnite photos'.
- C.19                                      North America                      1957**
- C.19 Correspondence and a paper on Jurassic stratigraphy in the central Great Plains with maps and data sent to Arkell, May 1957, arising from his *Jurassic Geology of the World*. The original envelope (retained) is noted 'Ackn. A.G.B[righton]' and it is possible that through absence or illness Arkell did not deal with the material.

## Research

**C.20**                      **Portugal**    **1952-1953**

C.20                      Brief correspondence only, on Jurassic ammonites in Portugal. Arkell was planning a visit.

**C.21**                      **South America and Mexico**    **1952-1957**

C.21                      Correspondence with colleagues in UK and Europe requesting information, loans etc, on various sources of ammonites in Peru, Mexico, Chile, the latter marked 'Received from Cambridge 23.9.1968'.

**C.22**                      **Turkey**    **1952-1956**

C.22                      Correspondence with academic colleagues in Turkey, and with oil companies, on despatch, receipt and identification of specimens.

Includes Arkell's 4pp manuscript list of comparative specimens from sites worldwide.

**C.23-C.48**                      **BATHONIAN**    **1930-1956**

The research covered here begins in 1930 and was aimed at a major monograph on Bathonian ammonites corresponding to that on the English Corallian Beds (see E.38-E.78). The first instalment of the 'Monograph of the English Bathonian Ammonites', published by the Palaeontographical Society, appeared in 1951 but the work was not completed at Arkell's death. No drafts survive in the collection. Plates are at J.13.

The material, much of it kept in very bulky tagged folders, is diverse. It covers a wide timespan, 1930-1956, and a wide geological range including work on the Fuller's Earth, Cornbrash and Great Oolite. The content ranges from detailed discussions of stratigraphy and classification to visits with professional and amateur colleagues to sites in road and rail cuttings, quarries and boreholes, most of them in Southern England, especially Dorset and the Cotswolds. Many short reports or accounts of these visits are included here.

### Research

- /...
- Arkell's arrangement and titles have been retained though the unwieldy folders have been divided into more convenient units. Some of his correspondents were kept separately by him (C.30, C.36, C.37, C.38) though they may also occur in the general survey.
- The correspondence extends over the period of the Second World War and many of the items reflect the changed circumstances of life for the writers; it is remarkable how determined they were to maintain research.
- C.23-C.35 'Bathonian correlation'. 1930-1956
- Contents of a folder so inscribed, with a manuscript note 'Received from Cambridge 7/3/1959'.
- C.23 Notes by Arkell. 1930
- Arkell's manuscript and typescript notes on Upper Fuller's Earth clay at Burton Bradstock, Dorset, July 1930, and 7pp manuscript 'Notes on Kemble District [Gloucestershire] Dec. 1930'.
- Tracing map (not by Arkell) of Fuller's Earth outcrop in Gloucestershire.
- C.24 Notes and drafts by Arkell. 1931
- Arkell's notes and drafts, some typescript, most manuscript, usually dated, and some notes on the literature. Includes 'Fuller's Earth and Great Oolite 1931', boreholes, quarries, railways.
- Included here are 'Notes on the comparison between the Cornbrash in the new railway-cutting at Frome [Somerset] and in neighbouring sections', May 1931, sent with a covering letter to H. Dewey. Another copy is at C.28.
- C.25 Correspondence with brief notes on the literature. 1937-1939
- C.26 Correspondence, loan of specimens, notes on the literature. 1941-1944

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### Research

- /...
- One of Arkell's principal correspondents, H.M. Muir-Wood (British Museum (Natural History)) was at that time working in Bath for the Labour Branch of the Admiralty. Her letters describe wartime work and conditions.
- C.27 Correspondence, descriptions of specimens etc 1947
- Extensive correspondence, descriptions of specimens and locations, Arkell's notes on the literature and on collecting expeditions in the Cotswolds and Gloucestershire, lists of specimens mainly the Great Oolite and Fuller's Earth.
- Correspondence, 21 November accompanies a geological map of Chipping Sodbury Tunnel.
- Correspondence, 31 December, discusses the disposition of J.W. Tutchter's collection.
- C.28 Correspondence etc 1948
- Correspondence, loans made and returned, identifications. Includes correspondence with colleagues abroad and another copy of Arkell's 1931 field notes and report on the Cornbrash with manuscript notes and additions by J.B.A. Welch.
- C.29 Papers 1948
- Includes comments on Arkell's papers and drafts on the Bathonian.
- C.30 Correspondence and papers 1948
- Correspondence with D.T. Donovan, Bristol University, on specimens, field trips and mapping in the Cotswolds and Bath areas, for Bathonian and Fuller's earth fossils; loans and identifications, diagrams of shafts, sections etc.
- These are almost exclusively Donovan's letters, kept separate by Arkell. Some of Arkell's letters are in the correspondence folders (kindly made available by Donovan) at H.11, H.12.

### Research

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|-----------|--|------------|
| C.31      | Notes and correspondence.  | 1949       |
|           | <p>Arkell's notes on locations and identifications especially of Fuller's Earth, including identification of specimens from excavations on the hockey pitch, Kingswood School Bath.</p> <p>Correspondence (November) refers to arrangements for specimens from the collection of P.C. Sylvester Bradley to be held in the Sedgwick Museum.</p> |            |
| C.32      | Correspondence etc.  | 1950       |
|           | <p>Correspondence, March-July 1950, chiefly with D.T. Donovan and H.M. Muir-Wood, on determination of Fuller's Earth and Great Oolite strata in the Cotswolds, and the joint paper with Donovan (see also E.123, E.124). Includes detailed report by Muir-Wood and Arkell's field notes.</p>   |            |
| C.33      | Correspondence with P.C. Sylvester Bradley and others on Bathonian ammonites from continental sources.   | 1950-1952  |
| C.34      | Correspondence, chiefly with Oxford University Museum, on specimens and identifications, September 1950 - June 1951.   | 1950-1951  |
| C.35      | Correspondence and papers.   | 1955, 1956 |
| C.36      | Correspondence with L. Richardson and others.<br><br>Kept separately by Arkell.  | 1931-1953  |
| C.37-C.38 | 'Channon Letters (Gt. Oolite)'.<br><br>Contents of a folder so inscribed.<br><br>Channon had worked on the construction of the pylon line between Gloucester and Oxford and was a keen recorder and collector of local geology and remains. He lived near Tewkesbury and he and Arkell met for field   | 1942-1950  |



## Research

investigations. He later moved to Australia and became Curator at the Bureau of Mineral Resources, Canberra, until his death in 1953.

The material, which was kept separately by Arkell, is a substantial collection of correspondence, detailed lists of localities and specimens including the collections of L.R. Cox, collections at Cheltenham College, sections at quarries, rail yards and boreholes, despatch and return of specimens. Very few of Arkell's letters remain, though the context makes clear that he was equally assiduous as a correspondent.

- |           |   |            |
|-----------|---|------------|
| C.37      | 'Channon Letters (Gt. Oolite)'.   | 1942-1947  |
| C.38      | 'Channon Letters (Gt. Oolite)'.   | 1948-1950  |
|           | Includes Channon's decision to emigrate.  |            |
| C.39-C.40 | 'Bathonian S. of Bath'.   | 1949, 1956 |
|           | Contents of a folder so inscribed.  |            |
| C.39      | Correspondence etc.   | 1949       |
|           | Correspondence with D.T. Donovan and other colleagues on mapping and field investigations. Arkell in a letter to Donovan, 3 June 1949, proposes collaborative research and publication on 'The Bathonian succession south of Bath'; Donovan agreed (13 June 1949).                                |            |
|           | Includes reports by Arkell and others on sites and identifications.   |            |
| C.40      | 'The incoming of the Great Oolite south of Bath'.   | 1956       |
|           | Typescript and manuscript drafts for a proposed collaborative paper, so titled, by Donovan and Arkell. No paper of this title is listed in the Bibliography.  |            |
|           | The material comprises: introduction with a manuscript note 'After September 1956 illness made it impossible for Arkell to continue mapping and the map was completed by Donovan'; 'The Great Oolite series in the mapped area (W.J.A.)'; 'Stratigraphy of the Great Oolite Limestones (D.T.D.)'. |            |
|           | There is a manuscript headnote 'Top copy sent to  |            |

### Research

- Donovan 25 August 1956', and a letter from Donovan 17 September.
- C.41 Manuscript and typescript draft, and a little correspondence 1950-1951, for Arkell's paper 'A Middle Bathonian ammonite fauna from Schwandorf, northern Bavaria', *Schweiz. palaeont. Abh.* vol. 69, 1952. 1951
- A copy of the published paper dated 1951 is included.
- C.42 Correspondence and papers *re* Bathonian ammonites from Morocco, arising from Arkell's monograph. 1953-1956
- The correspondence is chiefly with G. Colo of the Service Géologique du Maroc, who regularly sent types of Bathonian ammonites to Arkell for identification. A geological map and lists are included.
- Correspondence May-November 1955 discusses what had been thought to be a new genus for which Arkell proposed the name *Coloites* in a draft paper 'A new Bathonian ammonite from Morocco', but the identification proved incorrect.
- C.43 Drawing by Arkell of the Bathonian, from Dorset through the Cotswolds. Nd
- Sent by A.G. Brighton to J.M. Edmonds 19 June 1968 with the following description: 'The original was made up by me from Arkell's Jurassic Gt. Brit. volume as a handout for lectures...and the modifications were put in by Arkell at some stage in his work on the Bathonian. So that it has some value to anyone interested in the evolution of his ideas. Although folded, his alterations (all the colouring is his) should be fairly easily distinguished from mine. I'm sorry I can't remember the date on which they were done.'
- C.44-C.47 Photographs.
- Four envelopes of photographs with identifications by Arkell.
- C.48 Plates.
- Envelope with three pasted-up plates for 'Phil. Trans.'

## Research

C.49-C.84

**BUILDING STONE**

1938-1956

Arkell's long-standing interest in the relations between underlying geological formations, landscape and human habitation was given additional impetus in 1937-1938 by his collaboration with L.H. Dudley Buxton, Bursar of Exeter College Oxford, in a report to the University on sources of material for repair and renovation of its buildings (see C.53). Little could be done to implement the report during the 1939-1945 war, but Arkell continued to be consulted by several colleges, and to seek information on the history of Oxford and local buildings and the quarries and methods used in their construction, drawing on archives, visits to quarries both working and disused, conversations with builders, architects and the surviving quarrymen, some aged, in the vicinity.

L.H. Dudley Buxton had already commented on his collaborator in the 1938 report: 'I have seldom come across anybody with such precise knowledge, and such an ability of setting his knowledge at the disposal of others. He seems to know by heart every quarry for at least 30 miles around Oxford'. Arkell's knowledge, further augmented, led to the publication of *The Geology of Oxford* (OUP) and *Oxford Stone* (Faber and Faber), both 1947. Most of the material here refers to *Oxford Stone*, which became well-known and still features on desiderata lists. Its success led to several requests for lectures, and to 'spin-off' papers on building stones used in other localities, as well as to continuing correspondence.

See E.93 for the only surviving drafts for *The Geology of Oxford* (part only) and a note about a proposed revision.

The material at C.49-C.84 is of interest in adding footnotes to the history of university building at Oxford over the centuries, and as a socio-economic record of the industry in the surrounding area. It is presented as follows:

- C.49-C.52 Notebooks and notes
- C.53-C.64 Correspondence and papers 1938-1950
- C.65-C.71 *Oxford Stone* information
- C.72-C.75 Correspondence and papers 1950-1956
- C.76-C.84 Lectures and papers

## Research

Figures, drawings and photographs are at J.7-J.10.

Figures and plates for the *Geology of Oxford* are at J.6.

<b>C.49-C.52</b>	<b>Notebooks and notes</b>	<b>1945-1948</b>
C.49-C.50	Two small pocket-sized notebooks.  Notes of visits to buildings and quarries, alone or with builders and architects, on conversations with the latter, on the history of construction, quarrying and tools. Some of the correspondence at C.55, C.56 is exchanged with some of those involved, arranging or arising from visits.	1945, 1946
C.49	Small pocket-sized notebook.  Notes, some dated 1945, 1946. Includes R.J. Axtell (director of building firm), R. Jones and S.H. Collett (quarry foremen), G.W. Simpson, Clerk of Works, etc.  Also includes a note on E.J. Bowen's experiment on traffic vibration at University College Oxford, reproduced and discussed in <i>Oxford Stone</i> pp.157-158.	1945, 1946
C.50	Small pocket-sized notebook.  Notes, a few dated 1946. Includes S.H. Collett (quarry foreman), P. Lee, G. Swinford (Taynton quarry), drawings of tools and their usage etc.	1946
C.51	Arkell's manuscript notes on the literature, a few dated 1946-1948.	1946-1948
C.52	Arkell's typescript notes and reports on visits, July 1948.  Includes Fulwell, Clevely and Croughton, Cumnor Church, Littlemore Church, Sutton Courtenay and Wallingford and miscellaneous (Abingdon, Bradford on Avon, Great Coxwell, St Cross, Iffley).	1948

## Research

C.53-C.64	Correspondence and papers	1938-1950
C.53	Information sought and received, visits and conversations, a few comments on Arkell's book in manuscript and after publication.	1938
C.54	Copy of the report by L.H. Dudley Buxton and Arkell on local building stone, 1 January, and a little related printed matter.	1939-1947
	Correspondence and notes on choice and supply of stone slates for roofing, principally of New College Oxford cloisters.	
	Includes suppliers, costings, visits and Arkell's report, June 1939.	
	Correspondence 1943-1944 on roofing tiles, from the 'Committee for Expert Advice on the Maintenance of University Buildings'. Arkell's reply is of interest in reflecting the changed circumstances of war: 'I cannot afford to take on jobs gratis, since my 7-year Research fellowship at New College expired in 1940 and I hold no university appointment. I should be glad to undertake this work if the university attaches sufficient importance to it to retain me as adviser for an agreed stipend'.	
	Resumed post-war correspondence on reroofing for New College cloisters, 1946-1947.	
C.55-C.56	Correspondence with building contractors, architects, craftsmen, and <i>re</i> arranging visits etc. Several of these visits are documented in the notebooks at C.49, C.50. Some refer to the records of firms, some of which are still operating locally.	1945, 1946
	In other cases quarries or businesses were defunct and only oral memory remained.	
	In alphabetical order.	
C.55	Correspondents are Benfield & Loxley, Oxford; Cheltenham Factors (Cotswold slates); Clipsham Quarry Company; Collyweston Slates; T.H. Hughes, architects (repairs to Oxford buildings); P.R. Lee (Taynton stone at Blenheim).	1945, 1946

### Research

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|-----------|--|------------|
| C.56      | Correspondents are Packer & Son, Cheltenham (Cotswold slates); G. Swinford; Symm & Company, Oxford (includes a note on Oxford building stones by R.J. Axtell, Director); Tolley-Bladon Stone Company; Wooldridge & Simpson, Oxford; Thomas Worthington & Sons (correspondence and comments on Arkell's manuscripts by J.H. Worthington). | 1945, 1946 |
| C.57-C.64 | General correspondence with colleagues and individuals<br>Arranged alphabetically.   | 1940s      |
| C.57      | B - D  |            |
| C.58      | E<br><br>Includes material on the founding of 'Men of the Stones', and on advice sought from Arkell on repairs and maintenance at Eton College.  |            |
| C.59      | G - H  |            |
| C.60      | Jope, W.E.M.<br><br>Detailed correspondence on building stone and on other papers and queries, some addressed from the London Hospital, where Jope was then working as a biochemist, some from his Oxford home and some from Queen's University of Belfast where he held a post in the Department of Archaeology from 1949.              | 1946-1949  |
| C.61      | L - P  |            |
| C.62      | R - W<br><br>Includes comments on Arkell's draft by R.J. Schaffer (Building Research Institute).   |            |
| C.63      | Shorter correspondence on films and photographs for the book   | 1946-1948  |

## Research

- C.64 Original file cover containing items C.49-C.63.  
  
Retained for the list of 19th and 20th century Oxford architects compiled by Arkell on the inside cover.
- C.65-C.71** **Oxford Stone information** **1940s**  
  
Contents of an envelope so inscribed.  
  
Correspondence, notes, information on various Oxford colleges and buildings, including Arkell's own manuscript notes and research, correspondence with college Heads of House, bursars, archivists etc. A little later correspondence on repairs and maintenance is sometimes included.  
  
See also B.37.
- C.65-C.70 Various Oxford colleges and buildings.
- C.65 All Saints Church; All Souls; Old Ashmolean (now Museum of the History of Science); New Ashmolean (now Ashmolean Museum); Balliol; Bodleian Library; Brasenose.
- C.66 Campion Hall; Christ Church; Clarendon Building; Corpus Christi; Divinity School; Exeter; Hertford.
- C.67 Indian Institute; Jesus; Lincoln; Magdalen; Manchester; Mansfield; Martyrs Memorial; Merton.
- C.68 New College; Oriel; Pembroke; Playhouse Theatre; Post Office; Pusey House; Queen's; Radcliffe Camera; Radcliffe Infirmary and Observatory; Radcliffe Science Library; Rhodes House.
- C.69 St. Anne's; St. Catherine's (in St. Aldate's, now Faculty of Music); St. John's; St. Mary's Church; St. Peter's Hall; St. Philip and St. James' Church; Examination Schools; Sheldonian Theatre; Somerville.

### Research

- C.70 Town Hall; Trinity; University College; University Museum; University Press; Wadham; Windsor Castle; Worcester.
- C.71 Miscellaneous notes; plan of book reads 'Search begun 3 Dec 1945. Book sent to Faber & Faber August 1946. Page proofs April 1947. Index May 1947'; list of photographs and figures; notes of talks with masons.
- C.72-C.75 Correspondence and papers 1950-1956**
- C.72 Correspondence with W.E.M. Jope *re* visits, exchange and identification of specimens. 1950-1956
- Includes copies of some of Jope's publications sent to Arkell, notably his article on 'Saxon Oxford and its region'. Also included are 6pp manuscript pencil notes in Jope's hand, headed 'Unprinted notes by the late H.E. Sutton', transcribed from papers of 1681 in Oxford University Archives, giving testimonies of stone-masons on college buildings, costings, repairs etc.
- C.73 Correspondence with Oxford colleagues and officers on the restoration of the Sheldonian Theatre. 1954, 1955
- Arkell was invited to attend the Committee on Expert Advice, but was unable to do so and gave advice by letter.
- C.74 General correspondence. 1950-1956
- Information, advice sought and received from professional colleagues, local historians etc.
- C.75 Miscellaneous press-cuttings, publication notices and printed matter
- Relating to building stones and their history.



**Research**

<b>C.76-C.84</b>	<b>Lectures and papers</b>	<b>1947-1950</b>
C.76	<p>'Oxford Stone Talk'.</p> <p>Notes, introductory paragraphs, photographs and notes; invitations to lecture to various societies: Oxford Architectural and Historical Society, January 1947; Geographical Association, October 1947; Oxford University Archaeological Society, June 1947; Bristol Geological Club, February 1947; Oxford Preservation Trust, May 1951.</p>	1947, 1951
C.77	<p>'Rutland Stone', <i>Leicestershire and Rutland Magazine, Leicester</i>, vol 1, 1948.</p> <p>Arkell was asked to write an article for the first number of this new magazine.</p> <p>Correspondence, manuscript and typescript drafts, and a cartoon 'Sure of a welcome by the Clipsham Quarry Co.... by W.J. Arkell' with a page reference to the magazine.</p>	1948
C.78-C.82	<p>'The building stones of Blenheim Palace, Cornbury Park, Glympton Park and Heythrop House, Oxfordshire', <i>Oxoniensia</i> vols. 13, 1948, and 16, 1952.</p>	1948-1951
C.78	<p>Correspondence and papers from colleagues, architects estate and quarry workers, reports of visits to quarries and workings.</p> <p>Includes memorandum of a visit to Heythrop and Glympton quarries, 26 June 1948, continuing correspondence on the history of Blenheim Palace stone chiefly with D. Green and L. Whistler. Also one letter 1946.</p>	1946, 1948
C.79	<p>Correspondence with D. Green and L. Whistler <i>re</i> their writings on Blenheim Palace; includes Arkell's 4pp 'Notes on the geological map of Blenheim', December 1949, prepared for Green.</p>	1949
C.80	<p>Correspondence and papers from colleagues, architects estate and quarry workers, reports of visits to quarries and workings.</p>	1951

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## Research

- /... Includes correspondence with Green, and a visit to Blenheim which caused Arkell to add a correction to his 1948 paper. Correspondence *re* the geological map of Blenheim drawn by Arkell for Green's book is also included (see C.82).
- C.81 Draft of paper.  
  
9pp typescript, with corrections, of Arkell's paper for *Oxoniensia* vol 13; 2pp typescript additional note based on Green's information, dated 5 August 1951, to be published in *Oxoniensia* vol 16 (not listed in Bibliography).
- C.82 'Geological map of Blenheim Palace and Woodstock', 27 November 1949. 1949
- C.83-C.84 'The future of English building-stones', *Endeavour*, vol. 9, 1950. 1950
- C.83 Editorial correspondence and draft.  
  
The draft is typescript and manuscript.  
  
Included is an invitation to write a 'not unsimilar' article for *The Field*. Arkell accepted but there are no drafts and no other article is listed in the Bibliography.
- C.84 Correspondence arising from Arkell's publications on building stones. 1950
- C.85-C.90 DORSET TECTONICS 1935-1938**
- Contents of a folder so inscribed.  
  
Arkell published several papers on the Dorset coast with special reference to the Purbeck and Ridgeway faults, 1935-1939. No drafts for these survive, but see E.79, E.83, E.88-E.92, in addition to the correspondence and references in the folders below.

### Research

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|------|---|------------|
| C.85 | Correspondence with colleagues on Arkell's papers, mainly on Purbeck, Ridgeway and Ballard Faults, published in <i>Geol. Mag.</i> vols 73 and 74 (1936, 1937), and also on Mesozoic and Cainozoic folding, 1936.  | 1935-1938  |
| C.86 | Paper by Arkell on the tectonics of Lulworth, published in <i>Quart. J. Geol. Soc. Lond.</i> vol. 94 (1938).<br><br>Correspondence and referee's comments on Arkell's paper, with Arkell's reductions and alterations to the draft.   | 1937, 1938 |
| C.87 | Research notes etc.<br><br>Extensive notes and measurements by Arkell relating to the Lulworth area, with reference to the work of Sir A. Strahan which Arkell disputed vigorously in his paper.<br><br>See also J.35.  |            |
| C.88 | Correspondence with H.J. Osborne White, January 1936-March 1937.<br><br>White conducted further examination of the chalk exposures of the Ridgeway fault at Arkell's request and expense in 1936.<br><br>Includes White's 'Notes on certain exposures of the chalk...' (37pp, 8 figures), September, November 1936. | 1936-1937  |
| C.89 | Diagrams and drawings for figures.<br><br>Most with descriptions, instructions to printer etc.  | 1930s      |
| C.90 | Photographs.<br><br>Photographs mounted up, with descriptions, for plates for 1938 paper on tectonic problems of the Lulworth district.   | 1930s      |

## Research

C.91-C.114

EGYPT

1926-1951

In 1926 Arkell, then aged 22 but already establishing a reputation for his work on Corallian rocks, was invited by K.S. Sandford to join him in a survey of the traces of Palaeolithic Man along the Nile Valley and environs. The survey was organised by the Oriental Institute of the University of Chicago (Director J.H. Breasted). Sandford was appointed Field Director and Arkell his research assistant (later Research Associate, see C.103). The work occupied four winter seasons from 1926 to 1930 and resulted in four major publications as well as regular reports.

In October 1930 Arkell unexpectedly resigned on the grounds of pressure and unspecified other commitments. The decision took everyone by surprise. Arkell's letters to Sandford at the time do not survive, but Sandford's own letters indicate real distress, and affection (C.104). There seems to have been no strife between them and Sandford continued to write in the friendliest terms to 'Jos', and their joint publications continued to appear.

This is the only Egyptian travel documented in the collection, though Arkell paid several later visits and published an independent paper on North African rock paintings and drawings in 1936. In 1950-1951, after lengthy preliminaries and uneasy negotiations with Egyptian academic and official authorities he was able to arrange a trip to Wadi Araba in the eastern desert to search (unsuccessfully) for samples of rocks previously reported there. The result was published in *Geol. Mag. Lond* vol. 88, 1951. During this visit Arkell accepted an invitation to a meeting in celebration of the 75th anniversary of the Royal Geographical Society of Egypt and the inauguration of the Fouad I Desert Institute (C.110).

The material is presented as follows:

C.91-C.102 Notebooks and notes

C.103-C.111 Correspondence and papers, 1926-1951

C.112-C.114 Figures and drawings

Other plates and photographs are held in the Oxford University Museum of Natural History.

**Research**

<b>C.91-C.102</b>	<b>Notebooks and notes</b>	<b>1927-1930, nd</b>
C.91	Pocket sized notebook.  Used as vocabulary notebook.	1927-1929
C.92	Pocket-sized notebook.  Various notes on geological observations, expeditions, diagrams of strata. At rear of book, notes and lists of photographs taken. Some dated January 1927-January 1928.	1927-1928
C.93	Notes on the literature of Egyptian geology; 1p notes on 'Recent shells, season 1926-1927'.	c 1927
C.94	Manuscript notes on the literature (1p dated 'Cairo January 1929').	1929
C.95	'Notes on Egyptian fossils'.  12pp manuscript so titled.	Nd
C.96	'Geological notes'.  Expedition notes, observations and measurements, 13 January - 24 March 1927.	1927
C.97	'Faiyum notes'.  Expedition notes, observations and measurements, 22 January-12 February [year not indicated].  Related to papers with Sandford, 1929	c 1929
C.98	'Report'.  Investigations into an abri or rock shelter used by an early workman in alabaster, 2pp.	Nd

**Research**

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|--------------------|--|------------------|
| C.99               | 'Geological report on ancient habitation site, Fayum'<br>2pp.  | Nd               |
| C.100              | Miscellaneous notes and papers.<br><br>Miscellaneous notes, diagrams and observations on Prehistoric and historic changes in Nile level' and 'Observations made in February 1930'.   | 1930             |
| C.101              | Miscellaneous notes and papers.<br><br>Notes, observations and measurements of Nile terraces, related to paper co-authored with Sandford, 1928, and other miscellaneous notes including a history of Egypt in the nineteenth century.  | c 1928           |
| C.102              | Geological map of the Faiyum depression.<br><br>Based on a report of 1905, with manuscript notes and amendments by Arkell.   |                  |
| <b>C.103-C.111</b> | <b>Correspondence and papers</b>   | <b>1926-1951</b> |
| C.103              | Correspondence and papers.<br><br>Chiefly with Sandford and Breasted (Director, Oriental Institute, Chicago) <i>re</i> Arkell's appointment, conditions and salary as Assistant and later Research Associate in the Institute's Prehistoric Survey.<br><br>Includes a little correspondence on expedition charts and findings.   | 1926-1930        |
| C.104              | Letters <i>re</i> Arkell's resignation from the Survey.<br><br>Sandford's letters of 24 and 30 September are on practical division of survey work between him and Arkell. On 6 October he writes 'I am glad you have decided to come', continuing with practical plans. On 7 October he writes 'Your letter just received is a very sad one for both of us... after your last cheering letter, there is obviously something so big that it outweighs all our hopes and cheerful plans...our personal friendship will not be in any way | 1930, 1931       |

### Research

changed'. He concludes 'This is the most unhappy letter I have written for many a day'.

Arkell's heavily corrected draft for his letter of resignation to Breasted (undated) explains that 'My commitments at home have recently increased to such an extent that I feel bound to devote more time to them than is compatible with my continuing as a member of the Prehistoric Survey'.

Also included are continuing friendly letters from Sandford in Egypt, 1931, on expeditions, findings and publications.

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|-------------|---|------------|
| C.105       | Correspondence.<br><br><i>Re</i> Arkell's and Sandford's reports and papers for the Institute, including review and complimentary lists.  | 1929-1933  |
| C.106       | Correspondence with O.H. Little.<br><br><i>Re</i> publications and findings.<br><br>Little was Director of the Geological Survey of Egypt, Cairo.   | 1936, 1937 |
| C.107       | Correspondence and papers exchanged with A.J. Arkell (cousin), Commissioner for Archaeology and Anthropology, Education Department, Sudan Government.<br><br>Includes drawings of rock pictures discovered by A.J. Arkell and sent to Arkell in 1936; wartime airmail letters, 1944; paper by A.J. Arkell and G. Andrew on artefacts found in the Sudan, 1942; miscellaneous reports and articles on the prehistory and history of the Sudan (see also A.20). | 1936-1950  |
| C.108       | Standard Oil Company Geological Report.<br><br>Report on Abu Roash Well, Western desert, by James G. White, sent to Arkell.   | 1946       |
| C.109-C.111 | Correspondence and papers.<br><br>Chiefly relating to Arkell's attempt to arrange an expedition to the Red Sea Hills and other areas of the Eastern desert to examine Jurassic rocks and to search for Lower Liassic  | 1948-1951  |

### Research

rocks previously reported at Wadi Araba. See *Memoir* pp 5-6 and Arkell's paper in *Geol. Mag. Lond.* vol. 88, 1951.

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|-------------|---|--------------------|
| C.109       | Correspondence and papers.<br><br>Preliminary correspondence <i>re</i> a request to the Royal Society for help in organising the expedition, including Arkell's statement of the purpose of the investigation for 'Fossils from Wadi Um Rockham in the Red Sea Hills, Egypt', 3 May 1949.   | 1948, 1949         |
| C.110       | Correspondence and papers.<br><br>Principally with geological colleagues.<br><br>Included are the invitation and travel arrangements for Arkell to attend the 75th anniversary celebrations of the Royal Geographical Society of Egypt and the inauguration of the Fouad I Desert Institute, with Arkell's brief speech at its opening.   | 1950               |
| C.111       | Correspondence and papers.<br><br>Chiefly <i>re</i> the despatch, identification and return of specimens sent from Egypt, and publications. Arkell's letter to the Secretary, Royal Society, 12 February, sets out succinctly the work accomplished on his expedition to Wadi Araba.<br><br>Includes comments on the draft of Arkell's Wadi Araba paper and other publications. | 1951               |
| C.112-C.114 | <b>Figures and drawings</b><br><br>Most of this material refers to the rock pictures found in Egypt and Nubia and used in the collaborative papers with Sandford 'Palaeolithic man and the Nile valley in Nubia and Upper Egypt', <i>Oriental Inst. Publ. Chicago</i> vols 17 (1933) and 18 (1934).   | <b>Early 1930s</b> |
| C.112       | Original pencil drawings, February 1930.<br><br>Made at Abu Simbel, with comments on tools, workmanship etc.  | 1930               |



### Research

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|--------------------|--|------------------|
| C.113              | Reproductions of the drawings.<br><br>On several different scales and media, most signed 'WJA', probably made for the publications.  | 1930s            |
| C.114              | Miscellaneous photographs of fossils and desert landscapes.<br><br>Some with comments on verso.  | 1930s            |
| <b>C.115-C.116</b> | <b>FULLER'S EARTH</b>  | <b>1952-1956</b> |
| C.115              | Correspondence.<br><br>Chiefly with P.C. Sylvester Bradley on proposed excavation to expose Dorset Fuller's Earth, and <i>re</i> choice of site (Whetley [Whatley], Somerset) and costings.<br><br>Arkell's note of a visit to the site is included.   | 1950-1952        |
| C.116              | Correspondence.<br><br>Chiefly with F. Hodson, Reading University, <i>re</i> ammonites from Fuller's Earth rock, Whatley, Frome, Somerset, including lists of specimens and identifications, and <i>re</i> a visit to the site.<br><br>Arkell's report on Whatley Ammonites [October 1955] is included.  | 1953-1956        |
| <b>C.117-C.122</b> | <b>LIAS AMMONITES</b><br><br>Contents of a folder so inscribed.<br><br>Correspondence, drafts, bibliographical references, detailed discussions on nomenclature and classification of ammonites. Much of the correspondence is with D.T. Donovan (Bristol University). There are also exchanges with other colleagues and with F. Hemming, Secretary of the International Commission on Zoological Nomenclature. | <b>1949-1955</b> |

### Research

Arkell published a large number of proposals for defining or modifying nomenclature in the *Bulletin* of the Commission during and after 1951, mainly arising from his work on the *Treatise on Invertebrate Paleontology* (see E.162-E.193). There are notes and drafts included here which may relate to these submissions. Arkell's correspondence with Donovan is characterised by periods of intense activity (letters or cards being exchanged almost daily when a particular matter was in hand).

Though most of the correspondence is in typescript, both men would write in longhand and on small postcards from time to time. The record, though full, is therefore not complete. Arkell's side of the correspondence is further complicated by his using for the carbon copies sheets of manuscript or typescript paper from earlier papers

See also H.11, H.12.

C.117	Correspondence and papers, January - June 1949.	1949
C.118	Correspondence and papers.  Includes Arkell's submission to the Commission on the genus <i>Ammonites</i> Brugière, the species <i>Ammonites angulatum</i> Schlotheim, and the genera <i>Schlotheima</i> , and comments on a paper on nomenclature of Liassic ammonites by O.H. Haas.	1950
C.119	Correspondence and papers.	1951
C.120	Correspondence and papers.	1952
C.121	Correspondence and papers.	1953
C.122	Correspondence and papers.  Arkell's letter of 27 June 1954 refers to his being 'saddled with the Jurassic for the Lexicon of Stratigraphy' (see E.194-E.196).	1954, 1955

## Research

<b>C.123-C.124</b>	<b>NATURE RESERVES</b>	<b>1944-1953</b>
	<p>Arkell served as one of the Local Geographical Advisers to the Geological Reserves Sub-committee of the Nature Reserves Investigations Committee. Its report 'National Geological Reserves in England and Wales' was published in September 1945.</p>	
C.123	<p>Correspondence and papers.</p> <p>Includes Arkell's manuscript recommendations for reserves in Oxfordshire and Dorset, press comment on the published report, continuing correspondence and advice to 1953, and a copy of the 1945 report.</p>	1944-1953
C.124	<p>Correspondence with <i>The New Naturalist</i>.</p> <p>Arkell was invited to contribute an illustrated article for the 1949 volume. He sent an article 'Geological Reserves and Monuments' with specially taken photographs (drafts included), but publication of the journal was suspended and the article did not appear.</p>	1948-1950
<b>C.125-C.155</b>	<b>PALAEOLITHS</b>	<b>1943-1949</b>
	<p>This substantial collection of notes and correspondence relates to Arkell's work on prehistory, with special reference to the Thames Valley. The material was kept in several binders or folders, not all titled, and this separation has been respected although some overlap in topics and correspondents has inevitably ensued.</p> <p>Though the majority of the exchanges are with professional colleagues or editors, some of the work derives from the activities of amateur collectors or from quarrymen. This is particularly relevant in the case of Llewellyn Treacher and his collection (see C.148-C.155 and note); but other letters also show Arkell in touch with field workers often in humble positions.</p> <p>Most of the correspondence is incoming only, often on small-format writing paper or postcards.</p>	

## Research

The material is presented as follows:

C.125-C.147 Correspondence and papers, 1943-1947

C.148-C.155 The Treacher collection, 1948-1949

**C.125-C.147**

**Correspondence and papers**

**1943-1947**

Contents of a ring-back binder with many loose pages inserted. The binder was untitled, but the material deals with research, meetings and publications, mainly on Pleistocene rocks and on palaeoliths from the Oxford and Thames Valley regions.

Much of the subject-matter and many of the correspondents overlap with those listed under 'Palaeoliths' (C.146, C.147) and 'Mrs Treacher' (C.148-C.155) and should be consulted in conjunction with them. Arkell's principal correspondent, with whom he was on friendly terms, was K.P. Oakley.

Some of the material dates from the period of the Second World War and there are references to Arkell's poor health and also to that of his wife. It is the more astonishing that he maintained so active a presence in research and publication as is documented by the correspondence. The principal publications referred to in this correspondence are:

'The Pleistocene rocks at Trebetherick Point, north Cornwall', *Proc. Geol. Ass. Lond.* vol. 54 (1943).

'Palaeolith from gravels at Sutton Benger', *Wiltshire archaeol. nat. Hist. Mag.* vol. 50 (1943).

'Palaeoliths from the Wallingford fan-gravels', *Oxoniensia* vol. 8-9 (1945).

'Three Oxfordshire palaeoliths and their significance for Pleistocene correlation', *Proc. Prehist. Soc.* (1945).

'The geology of the Evenlode gorge, Oxfordshire', *Proc. Geol. Ass. Lond.* vol. 58 (1947). (See also E.94, E.95).

Other publications are referred to in later folders at C.143-C.147.

C.125

Arkell's manuscript notes on the literature.

1940s

### Research

C.126	Arkell's notes.  Notes on palaeoliths inspected in the University Museum, Pitt Rivers and Ashmolean Museums, April-May 1943, and on Ewelme Palaeoliths in the Pitt Rivers and Ashmolean Museums, September 1943 (referred to in correspondence with K.P. Oakley); diagram of 'Early Pleistocene Deposits' and 3pp correlation diagrams of London Basin and Oxford, one described 'Fantasy dated March 1945'.	1943, 1945
C.127	Two short manuscript notes by Arkell.  Notes entitled 'Stratigraphical terminology' and 'Alternative hypothesis to account for the Wolvercote Channel'.	Nd
C.128-C.142	Correspondence.	1943-1947
C.128	H. Breuil.  One letter only.	Nd
C.129	W.B.R. King.	1945
C.130	F.H.S. Knowles.	1943, 1945
C.131	A.D. Lacaille.  Includes references to the Treacher collection.	1943-1946
C.132-C.134	K.P. Oakley.  Detailed, very frequent letters and cards, almost all in longhand, March 1943-February 1947. Few of Arkell's replies, which must have been equally frequent, survive.  Oakley was one of the small number of people, other than lifelong friends, with whom Arkell was on Christian name terms. There are some personal references to visits and to Arkell's health, as well as professional discussions of correlation theory, the stratigraphy and prehistory of the Thames Valley, comments on draft papers etc.	1943- 1947

**Research**

- |       |  |            |
|-------|--|------------|
| C.132 | Correspondence.  | 1943       |
| C.133 | Correspondence.<br><br>Includes reference to the Chair of Geology at University College London, which Arkell declined (see A.8), and his 'Memorandum on an excursion in the Moreton Gap with K.P. Oakley, 22 July 1945'.   | 1944-1945  |
| C.134 | Correspondence.<br><br>Includes memorandum on 'Pipes in the Hanborough Terrace gravel' by R.H. Cunningham, and reference to the arrival of the Treacher collection at the University Museum Oxford. Oakley's last letter in the sequence (1 February 1947) is from Nairobi where he was working with Leakey. | 1946-1947  |
| C.135 | T.K. Penniman.   | 1943       |
| C.136 | D.F.W.B. Powell.<br><br>Detailed comments on Arkell's papers.  | 1944, 1945 |
| C.137 | K.S. Sandford.   | 1945       |
| C.138 | L.D. Stamp.  | 1944       |
| C.139 | M.E. Tomlinson.<br><br>Includes Tomlinson's notes on correlation of the Thames terraces and on Arkell's 'Memorandum of a visit to some sections in the Upper Evenlode valley with Dr M.E. Tomlinson, 29 Sept. 1945'.   | 1943-1946  |
| C.140 | M.S. Treacher.<br><br>Correspondence on the assembling and content of the Treacher collection, August - October 1943.  | 1943       |

### Research

- /...
- In her letter of 24 August (the first she wrote to Arkell) Mrs Treacher writes: 'My husband's palaeoliths are not at Reading. They are still here, I am giving them to the Br[itish] Museum'.
- For the continuation of the correspondence see C.152-C.154.
- C.141 H.J.O. White. 1943-1946
- Detailed discussion on Thames gravels and on the Treacher collection. See also C.155.
- C.142 Miscellaneous shorter correspondence. 1943, 1945
- C.143-C.145 'Wallingford Palaeoliths'. 1943-1946
- Contents of a folder so inscribed.
- Material *re* Arkell's paper 'Palaeoliths from the Wallingford fan-gravels', *Oxoniensia*, vol. 8-9 (1945).
- Included at C.143 are drafts of the paper.
- C.143 Brief editorial correspondence; 15pp manuscript and 17pp typescript drafts. 1943-1946
- Arkell's introduction explains: 'In July and September 1943, through the generosity of Mr William Newton of Benson, the Ashmolean Museum acquired 12 splendid palaeoliths...They had been found between 1924 and 1941 by Mr Ernest Town, a gravel worker...In October Mrs Ll. Treacher generously sent 4 more specimens from her late husband's collection, at least two of them also found by Mr Town in 1926'.
- C.144 Correspondence including three letters from William Newton who signs himself 'Bill of Benson (to his pals)'. 1943, 1946
- A later note by Arkell reads 'Letter from E. Town dated 2 Jan 1948 says Wm Newton is dead'.
- C.145 Arkell's drawings for the paper. c 1943

### Research

- |             |  |           |
|-------------|--|-----------|
| C.146-C.147 | 'Palaeoliths'.<br><br>Contents of a file so inscribed.<br><br>Correspondence and papers relating to publications by Arkell.  | 1945-1950 |
| C.146       | 'A palaeolith from Sherborne', <i>Proc. Dorset nat. Hist. Fld Cl.</i> , vol. 68 (1947)<br><br>Correspondence with the journal <i>re</i> publication and with J. Fowler, an amateur geologist from Sherborne who had first-hand knowledge of the discovery of the hand-axe described; proof of Arkell's paper; a little continuing correspondence on Somerset palaeoliths.  | 1945-1950 |
| C.147       | 'A palaeolith from the Hanborough Terrace', <i>Oxoniensia</i> , vol. 10 (1948).<br><br>Draft and correspondence etc with E.D. Sedding who had obtained the hand-axe in 1938 from a gravel-worker at Long Hanborough, Oxfordshire.  | 1940s     |
| C.148-C.155 | <b>The Treacher Collection</b><br><br>Contents of a folder inscribed 'Mrs Treacher correspondence'.<br><br>The laconic title, though not incorrect, extends to notes and correspondence over several years and with colleagues and museums as well as with Mrs Treacher herself.<br><br>Arkell's correspondence with Mrs Treacher had begun in 1943 (see C.140) shortly after the death of her husband Llewellyn Treacher (1859-1943), a schoolmaster and self-taught palaeontologist who had acquired an extensive collection and considerable reputation among professional colleagues for his writings and wide knowledge of the Middle Thames Valley. Her correspondence with Arkell at C.152-C.154 (few of his letters survive) give detailed accounts of the assembling of the collection, with extracts from her and her husband's diaries and recollections of the dates and places of finds, and of Llewellyn Treacher's disposal of some artefacts. In 1946 Mrs Treacher offered the Middle Thames Valley palaeoliths to the University Museum Oxford (now Oxford University Museum of | 1946-1949 |



## Research

- /... Natural History), where they remain. In 1947 she, Arkell and K.P. Oakley gave papers to the Prehistoric Society which were published (*Proc. prehist. Soc.* 1948) as 'On the ancient channel of the Thames between Caversham and Henley, Oxfordshire, and its contained flint implements'. Mrs Treacher was responsible for 'Part I. The ancient channel...' and Oakley and Arkell for 'Part II. The implements in the Treacher collection'.
- A file of correspondence, 1946-1984, is held at the Oxford University Museum of Natural History, relating to the deposit of the Treacher collection, and subsequent visits by researchers. It includes Mrs Treacher's letter of 27 February 1946 offering to the Museum 'my husband's collection of palaeoliths from the Middle Thames Valley (Reading to Slough).'
- An account of the collection, and of the Treachers, can be found in Shelley Cranshaw: 'Handaxes and Cleavers', *BAR British Series* 113 (1983).
- Maps, figures and plates for publications on palaeoliths are at J.11.
- C.148 Notes by Arkell.
- Includes 7pp manuscript 'Memoranda for your note on Typology', n.d.
- C.149-C.155 Correspondence. 1946-1949
- C.149 K.P. Oakley. 1946-1949
- Letters and cards, mostly from 1946, *re* the Treacher collection, arrangements for meeting, publication etc, and *re* palaeoliths and nomenclature.
- Incoming letters only.
- C.150 Prehistoric Society. 1946, 1947
- On the Society's meeting, May 1947, and publication of the Treacher, Arkell and Oakley papers. A copy of the publication is enclosed.

### Research

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|--------------|---|-------------------|
| C.151        | Reading Museum.   | 1946              |
|              | Correspondence, notes and records of visits, with special reference to palaeoliths from Turner's Court, near Reading, arising from Arkell's paper 'Palaeoliths from the Wallingford fan-gravels, <i>Oxoniensia</i> vol. 8-9 (1945). |                   |
| C.152-C.154  | M.S. Treacher.  | 1946-1949         |
| C.152        | Correspondence, January - October 1946.   | 1946              |
|              | Includes arrangements for the transfer of the Treacher collection to Oxford and arrangements for Mrs Treacher's paper at the Prehistoric Society meeting.   |                   |
| C.153        | Correspondence, November - December 1946.   | 1946              |
|              | Includes Mrs Treacher's manuscript notes on her husband's life and work, and a manuscript draft of Arkell's note on the Treacher collection ( <i>Oxoniensia</i> vol. 11-12, (1948)).  |                   |
| C.154        | Correspondence.   | 1947-1949         |
|              | Includes manuscript and notes by Mrs Treacher on Toots Farm pit near Reading with earlier notes by Llewellyn Treacher.  |                   |
|              | Mrs Treacher's letter of 4 August 1948 refers to her husband's dispersal of some of his palaeoliths and also to the work of his family in building or repairing Thames bridges.   |                   |
| C.155        | H.J. Osborne White.   | 1946-1948         |
|              | See also C.141.   |                   |
| <b>C.156</b> | <b>PURBECKIAN</b>   | <b>1953, 1954</b> |
|              | Contents of a file so inscribed.  |                   |

### Research

- C.156 Correspondence and notes, mainly with German and Swiss colleagues, on loans and identification of samples of ammonites in Purbeckian rocks in connection with Arkell's *Jurassic Geology of the World*.
- C.157 **RINGSTEADIA** 1937, nd
- Contents of a file so inscribed, with a manuscript note 'Returned from Cambridge 1968'.
- C.157 Notes on the literature and on specimens studied in museums at Devizes, Wiltshire, and Le Havre 1937; part of a draft, perhaps for a paper; photographs, plates and drawings from Arkell's own collection.
- C.158-C.167 **STRATIGRAPHICAL TERMINOLOGY** 1946-1956
- Drafts, notes and correspondence relating to publications by Arkell and to the Sub-commission on Stratigraphic Terminology of the International Geological Congress.
- C.158-C.162 'Stages and Zones' 1946-1956
- Contents of a folder so inscribed.
- Material *re* Arkell's paper 'Standard of the European Jurassic' *Bull. Geol. Soc. Amer.* vol. 57 (1946). In his paper Arkell advocated the setting-up of a Commission on Stratigraphical Nomenclature on the model of the Commission on Zoological Nomenclature, and proposed a draft Code of Rules.
- The Subcommission was set up at the 19th International Geological Congress in 1954. Arkell was not a member, apparently by oversight (see C.166).
- C.158 Notes by Arkell. Nd
- Notes on the literature; draft charts of geological stages and zones.

### Research

- |             |   |            |
|-------------|---|------------|
| C.159       | Notes, drafts and correspondence.<br><br>Notes and drafts on Russian methodology; correspondence with R.V. Melville in preparation for Arkell's paper.  | 1944, 1945 |
| C.160       | Material relating to the publication of Arkell's 1946 paper.<br><br>Correspondence and comments; Arkell's forwarding letter explaining the importance of the subject and his choice of an American journal; publication arrangements; drafts of tables; correspondence following publication.<br><br>A copy of the published paper is included. | 1944-1946  |
| C.161       | Correspondence etc.<br><br>Includes requests for information, chiefly on continental Jurassic ammonites.  | 1952-1954  |
| C.162       | Correspondence etc.<br><br>Correspondence, with discussions, memorandum on zones, mainly with D.T. Donovan, J.H. Callomon and M.R. House.   | 1955, 1956 |
| C.163-C.166 | 'Stratigraphical Sub-committee'.<br><br>Contents of a file so inscribed.<br><br>Material relating to Arkell's paper 'Comments on stratigraphic procedures and terminology', <i>Amer. J. Sci.</i> vol. 254 (1956).   | 1955-1957  |
| C.163       | Correspondence etc and draft.<br><br>Typescript draft with manuscript corrections; correspondence and comments from colleagues, with amended pages of the draft.  | 1955       |
| C.164       | Editorial correspondence.<br><br>Arkell offered the paper 'on a matter of much concern to palaeontologists and stratigraphers' to the <i>Journal of</i>   | 1955, 1956 |

## Research

*Paleontology* which sent it on to the American Association of Petroleum Geologists for publication in their *Bulletin*. After some changes it appeared in the *American Journal of Science*.

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|--------------------|--|------------------|
| C.165              | Correspondence and drafts.   | 1957             |
|                    | <p>Manuscript and typescript drafts of Arkell's 'Further comments on stratal terms', a rejoinder to a paper by O.H. Schindewolf. It was suggested that Arkell should let the matter drop rather than continue the controversy. A revised version was sent and accepted for publication in the <i>American Journal of Science</i> but is not listed in the Bibliography.</p>  |                  |
| C.166              | Correspondence and papers <i>re</i> the Subcommittee on Stratigraphic Terminology.   | 1956             |
|                    | <p>Includes a copy of the Subcommittee's Circular no. 3 filled in and discussed by Arkell.</p>   |                  |
| C.167              | 'Jurassic ammonite terms dealt with by the International Commission on Zoological Nomenclature'.   | c 1958           |
|                    | <p>Manuscript and typescript drafts and miscellaneous notes.</p> <p>This is Arkell's last work. The original envelope (attached) carries a manuscript note: 'Ms typed just before Arkell's death [1958]. C.W. Wright suggests that since the C.Z.N. are about to publish such a list of names, the publication of this paper would be superfluous.'</p>  |                  |
| <b>C.168-C.183</b> | <b>WELLS, QUARRIES, BOREHOLES</b>  | <b>1924-1956</b> |
|                    | <p>This comprises a wide range of material, some initiated by Arkell in the course of his research but mainly arising from enquiries made to him by mining, drilling and construction companies concerning work in hand or the determining of strata and specimens uncovered by work in progress. Several of the folders include annotated maps and charts, or borehole logs, some antedating the correspondence.</p> <p>Most of the work relates to the regions of southern England: Dorset, Wiltshire, Oxfordshire, Berkshire. It is</p> |                  |

### Research

- /...
- presented for convenience in chronological order, though Arkell's interests, and his family connections at Highworth, Wiltshire, took him repeatedly back to the same areas, the more so as his acknowledged expertise led to requests from local companies.
- C.168 'Wells'. 1924, 1925
- Contents of an envelope so inscribed.
- Correspondence, information and charts of wells, strata, water-levels at various Wiltshire sites. Includes stratigraphic charts by Arkell.
- C.169 Papers relating to various sites. 1933, 1934
- Highworth, Swindon water supply, 1933; Abingdon water supply, 1933; boring at Shrivenham, Wiltshire, 1933; boring at Newton Longville, Wiltshire (for New College Oxford), 1934.
- C.170 'Portsdown & Henfield'. 1936, 1937
- Contents of an envelope so inscribed.
- Correspondence on specimens and identifications; extensive borehole logs at Portsdown, Hampshire, and Henfield, Sussex.
- C.171 Correspondence, reports and drilling logs of Dorset boreholes at sites at Broad Bench, Ringstead Bay, Poxwell etc sent to Arkell (some with comments by him), and *re* arrangements for visits etc. 1936, 1937
- Only one of Arkell's memoranda, on Kimeridge clay, survives (4 July 1937).
- C.172 Maps, charts and drilling logs of various Dorset localities 1937
- Identified and dated, many relating to the reports in C.171.

**Research**

C.173	Correspondence and borehole logs of boreholes in the Farringdon, Berkshire, area.	1938, 1939
C.174	Identifications of Dorset Kimeridge Clay ammonites.	1939
C.175	Lechlade and Ashbury.  Papers <i>re</i> advice on flooding at Lechlade, 1940; papers <i>re</i> analysis of sands and a borehole at Ashbury, 1940.	1940
C.176	Papers relating to wells and boreholes at various sites in Wiltshire.  Almost all 1940.  Including Pen Hill, Highworth, Purton, Kingsdown, Sevenhampton and South Marston.	1940, 1947
C.177	Papers relating to borings and strata at East Challow, Shellingford and Coleshill.	1941, 1942
C.178	Papers relating to advice on water supplies near Shrivenham, Wiltshire.	1942, 1943
C.179	Correspondence with Geological Survey and with engineering firms.  <i>Re</i> Oxfordshire sites at Bletchingdon, Milton Common, Combe and Charlbury. Includes some earlier reports and observations, 1922, 1934, sent to Arkell.	1942-1945
C.180	Papers relating to water supplies at Highworth and Sevenhampton, Wiltshire.	1943
C.181	Papers relating to borehole at Challow, Wiltshire.	1945

**Research**

C.182	Papers relating to identification of Jurassic ammonites in East Yorkshire boreholes.	1955
C.183	Papers relating to Portland stone.	1956



**SECTION D**                      **LECTURES, D.1-D.8**                      **c 1930-1945**

Arkell was appointed Lecturer at New College Oxford in 1929 and Senior Research Fellow of the College in 1933. His research interests were always predominant and the terms of his appointment left him free to pursue them. He had no obligation to deliver statutory courses in the College or University, though it is clear that he did so. Nevertheless, the remaining material is scanty and difficult to ascribe or date. It appears to belong to the 1930s. The manuscript draft at D.6 may be the only fully written out text for an extended course.

Occasional lectures by Arkell, for example on building stone, are listed with the relevant research material elsewhere.

- |         |  |           |
|---------|--|-----------|
| D.1     | <p>Black spring-back binder inscribed 'Geological notes. W.J. Arkell New College'.</p> <p>Extensive typescript and manuscript notes, and notes on the literature, with some diagrams and drawings and some intercalated pages.</p> <p>Topics include 'Cosmic theory and mountain building', 'Igneous geology', 'Origin and evolution of life', 'Historical geology'.</p> <p>At rear of book, pages I-III of headings for a lecture course, dated 23 October 1930, and pp. I-VI of examination questions on various aspects of geology, nd.</p> <p>On last page, a humorous poem 'Palaeontological Rhapsody'.</p> | c 1930    |
| D.2-D.4 | Material found loose in D.1.   |           |
| D.2     | Bibliography and list of slides for lectures.  | 1930s     |
| D.3     | Examination questions. December 1936 - April 1937.   | 1936-1937 |
| D.4     | <p>Manuscript draft for 'Chapter 2. The oldest rocks'.</p> <p>3pp only.</p>  |           |

### Lectures

- |     |  |                  |
|-----|--|------------------|
| D.5 | <p>Folder of notes, inscribed on cover 'Stratigraphical Geology' and inside 'W.J. Arkell. New College. (J.A. Douglas' Notes)'.<br/><br/>22pp typescript notes for a lecture course, with extensive manuscript additions by Arkell.</p>   | Nd               |
| D.6 | <p>Black spring-back binder, no inscription.<br/><br/>'Syllabus for Hilary and Trinity Terms'.<br/><br/>Extensive manuscript and typescript notes for a course on 'Tectonic Geology' to be given in three parts: 'Tectonics and the surface of the Earth', 'The mountain systems' and 'The interior of the Earth'.<br/><br/>Includes drawings and diagrams, notes on the literature, and a typescript draft review by Arkell of a book by H. Stille on the American Cordilleras, with a manuscript note 'Geol. Mag. 1937, May' (not listed in Bibliography).<br/><br/>Some reprints and notes of Geological Society meetings 1935, 1943, 1944 are tucked in at the rear of the binder.<br/>See also D.8.</p> | 1930s -<br>1940s |
| D.7 | <p>'Geological Mapping', with a manuscript note by Arkell 'Copy of J.A. Douglas's notes, Aug. 1945'.<br/><br/>9pp typescript, found as loose pages in D.6.</p>   | 1945             |
| D.8 | <p>'Lectures on Tectonic Geology'.<br/><br/>Manuscript of the Introduction 'Aims and methods of tectonics' and section 1 (only) of 'Geosynclines and Geanticlines' of Part I of the extended course preserved in note form at D.6.<br/><br/>See also D.6.</p>  | 1930s            |

**SECTION E**

**PUBLICATIONS, E.1-E.210**

**1926-1958**

Arkell's first publication (E.1) dates from 1926 when he was 22 and newly graduated. His flow of work continued unabated, hardly slackened by the 1939-1945 wartime years, until his death. Its range includes relatively short papers usually on aspects of the geological formations of southern England, to more extensive work on stratigraphy and palaeontology and massive monographs on the Jurassic systems of Great Britain and the World, the first of these magisterial volumes being published in 1933 when he was still in his twenties, the last shortly before he died. Posthumous work continued to appear (see E.194-E.196).

The material is presented as far as possible in chronological order of publication. It may include full manuscript drafts in Arkell's flowing longhand, revised proofs, correspondence, research or field notes which sometimes antedate publication by several years, figures, maps and photographs, almost always his own work. The correspondence is exchanged with academic colleagues, professional geologists working in mining or surveying, and also frequently with amateur collectors, antiquarians and members of local history societies in whose journals many of his shorter papers were published. There is material on the research and preparation of the major monographs but very little correspondence surviving about their publication history. The exception is the *Treatise on Invertebrate Paleontology*, 1957, published by the Geological Society of America and University of Kansas Press; Arkell's contribution to this major international project is fully recorded at E.162-E.193.

Not all Arkell's publications are documented so lavishly, or at all. Sometimes only brief correspondence, or drawings and plates survive. Several apparently unpublished drafts were found and are listed at E.197-E.210. Other proposed papers remained in draft or with related correspondence or research notes both in this and in other sections of the collection. A full list of these unpublished works appears in the introduction to this catalogue.

Plates, drawings and other illustrative material are retained when they are integral with the text and correspondence. Other plates and drawings, especially those in large format, are in section J.

### Publications

- |          |  |           |
|----------|--|-----------|
| E.1      | Correspondence arising from Arkell's two papers on Corallian lamellibranch fauna, <i>Geol. Mag. Lond.</i> vol 63 (1926), May - December 1926.  | 1926      |
| E.2-E.3  | 'The Corallian rocks of Oxford, Berks. and North Wilts.', <i>Phil. Trans. B</i> , vol. 216 (1927).   | 1922-1927 |
| E.2      | <p>Black spring-back binder of photographs and charts of ammonites.</p> <p>Almost all from Arkell's own collections, with identifications and localities, mainly 1925, 1926. Also included is a page of pencil drawings of 'Bivalves from black sandy clay...Kingsdown Wilts. Sept. 1922'. Several loose pages of photographs are inserted at the front including one of Arkell himself.</p> <p>The binder also contains correspondence 1926-1927 with officers of the Royal Society, with W.J Sollas and others about the paper, which had been submitted by Sollas and was considered 'a very heavy one'. It was returned in March 1927 requesting 'really drastic reduction in bulk'. It is not clear whether, or to what extent, Arkell complied. The paper was published in 1927 and occupied pp 67-181 of the journal plus plates and a map.</p> | 1922-1927 |
| E.3      | Copies of plates from <i>Phil. Trans.</i> paper  | 1927      |
| E.4      | <p>Plates from collaborative paper with J.A Douglas.</p> <p>Annotated copies of plates from collaborative papers with J.A Douglas 'The Stratigraphical Distribution of the Cornbrash I', <i>Quart J. Geol. Soc. Lond.</i>, vol. 84 (1928). See also B.22 and B.23.</p>   | 1928      |
| E.5-E.14 | <p>'A monograph of British Corallian Lamellibranchia', Palaeontographical Society of London, 1929-1937.</p> <p>This was the first of Arkell's major monographs published in instalments by the Palaeontographical Society. It was based on his Oxford D.Phil. thesis 'The Corallian Lamellibranch fauna of Britain'.</p>   | 1928-1937 |

### Publications

- |      |   |            |
|------|---|------------|
| E.5  | <p>Green ledger-type spring-back binder including lists of 'Works looked through (1928) carefully', 'Bathonian Types', 'Sowerby's Types left to be photographed, 9 Aug. 1929'.</p> <p>Also includes manuscript entries and description, photographs numbered for plates.</p>  | 1928-1929  |
| E.6  | <p>Green ledger-type spring-back binder used for manuscript entries, descriptions, photographs numbered for plates.</p>   |            |
| E.7  | <p>Green ledger-type spring-back binder used for manuscript entries, descriptions, drawings.</p> <p>The binder also includes some loose photographs numbered for plates and notes at front of book.</p>   |            |
| E.8  | <p>'Plates'. Foolscap hard-backed notebook.</p> <p>Notebook inscribed 'A monograph of the British Corallian Lamellibranchia comprising 572 photographs of types or best available specimens and reproductions of original figures'. Pages numbered in Roman numerals, 1-94, with some loose photographs inserted.</p> |            |
| E.9  | <p>Originals of plates.</p> <p>The plates were made up by Arkell and numbered with a note of the year of despatch; the publication date was two years later.</p> <p>Plates 1-4 [1927], 5-8 [1928], 9-12 [1929], 13-20 [1930], 21-28 [1931], 29-40 [1932], 41-49 [1933], 50-56 [1935].</p>                             | 1927-1935  |
| E.10 | <p>Figures and drawings.</p> <p>Almost all text and figures are with descriptions, identifications and instructions to printer by Arkell.</p>   | 1933, 1934 |
| E.11 | <p>Notes and drawings by Arkell on 'Cornbrash Lamellibranchs'.</p>  |            |

## Publications

- E.12                      Miscellaneous small mounted photographs of Trigonia.  
  
Photographs include locations and descriptions.
- E.13                      Photographs and drawings sent to Arkell by J.W. Tutchter.                      1927  
  
Also included is a letter dated 19 August 1927, following a visit to Tutchter by Arkell. The envelope, bearing notes by Arkell on recto and verso, is retained in the folder.
- E.14                      Correspondence and arrangements for publication with colleagues, officers of the Palaeontographical Society, etc, August 1926-October 1927.                      1926-1927  
  
In his letter to Arkell of 26 August 1927 Sir Arthur Smith Woodward, Secretary of the Palaeontographical Society writes 'You have a splendid programme and I wish you every success' and on 7 October reports 'The Council [ ...] thanks you for your kind offer of a Monograph [...]. It is inclined to look sympathetically on the proposal.'
- E.15-E.37                      *The Jurassic System in Great Britain*, OUP, 1933, 681pp, 42 plates.                      1933  
  
This was the first of Arkell's major synoptic works on the Jurassic. Though he makes generous acknowledgements to colleagues and collectors, the research and many of the illustrations and photographs were his. The publication in 1933 when he was still under thirty, made his name; L.R. Cox writes (*Memoir*, p.3) 'it immediately gained for Arkell an international reputation as a foremost authority on Jurassic stratigraphy and palaeontology, and to the present day remains an indispensable work of reference.'  
  
Astonishingly, as it now seems, the huge manuscript, like Arkell's other major works, was written in longhand which he then put out to typing. His instructions can be seen at the head of each chapter or section of the draft manuscript.  
  
The material is arranged as follows:  
  
E.15-E.28    Manuscript drafts  
  
E.29-E.34    Correspondence  
  
E.35-E.37    Figures, diagrams, photographs



### Publications

- E.22 Chapter 14.  
'Kimeridge Clay', pp 1-52.
- E.23 Chapter 15.  
'Portland Beds', pp 1-44.
- E.24 Chapters 16 and 17.  
'Purbeck Beds', pp 1-26; 'The End of Jurassic Time and the Cretaceous Boundary', pp 1-22.
- E.25 Part 4, Chapter 18.  
'Palaeogeographical Conclusions', pp 1-57.
- E.26 'British Jurassic Bibliography to 1931', pp 1-85.  
  
This is the basis, with some minor editorial modifications, of the bibliography in the published work.  
  
Hard-backed ledger.
- E.27 'Appendix. List of stage names proposed for parts of the Jurassic System in Europe', 7pp typescript.  
  
This is draft of Appendix 2 of the published work.
- E.28 'Definitions and terminology of reef and reef-like Limestone deposits'.  
  
Typescript, pp1-25 and 4 pp, no author or date, probably American, latest reference 1954. The paper quotes and discusses (pp 14-15) Arkell's treatment of the subject in Appendix 1 of the published work.
- E.29-E.34 Correspondence. 1931-1957



### Publications

E.29	Permission to quote, copy figures, reproduce diagrams, etc addressed by Arkell to colleagues, societies, museums.	1931-1932
E.30	<p>Oxford University Press</p> <p>Correspondence mainly with the Secretary to the Delegates (K. Sisam) and with technicians at the Press on publication arrangements, preparation of photographs and diagrams.</p> <p>Arkell's letter of 2 November 1931 to Sisam begins 'I desire to submit the typescript of a book on geology for consideration by the University Press'. The suggestion was 'welcomed' by the Delegates on 16 November and an early copy of the book was sent to Arkell on 21 February 1933.</p> <p>Includes an extensive list of those whom Arkell wished to receive copies.</p>	1931-1934
E.31	<p>Comments and appraisals from colleagues</p> <p>Colleagues had seen part of the book in draft, some with detailed comments, all writing in enthusiastic terms.</p>	1931-1932
E.32	<p>Letters of thanks for copies of the book</p> <p>Most letters are with appreciative comments from colleagues sometimes including additional information. Mainly dating from 1933.</p>	1931-1947
E.33	Royalty statements	1933-1957
E.34	<p>Arkell's original folder cover</p> <p>Includes running totals of sales, price increases, royalties.</p>	1933-1955
E.35-E.37	Figures, diagrams, photographs.	
E.35	Envelope of original photographs for book, frontispiece and plates nos 1-28	

## Publications

All the photographs are numbered on verso, some with descriptions and/or instructions to printer

- E.36 Original plates nos 29-41
- E.37 Miscellaneous figures, diagrams, maps etc
- E.38-E.78 *'A monograph on the ammonites of the English Corallian Beds'*, Pal. Soc. Lond., pp lxxxiv, 420, 78 plates. 1935-1948

This was the second major publication by Arkell to be brought out in instalments by the Palaeontographical Society. Very little survives of the manuscript draft. Instead there is a great deal of research material documenting Arkell's visits to, or use of, geological collections in museums in Britain and Europe, his correspondence with colleagues, and carefully prepared photographs and figures for the text assembled from his own extensive collections as well as these outside sources.

Arkell's Preface to the completed volume in 1948, part of which is reproduced below, records not only his long personal involvement with the subject, but the historical dimension conferred by the link with the pioneer S.S. Buckman and the destruction of much of the geological record by social change and the catastrophe of the Second World War.

One of the collections destroyed by bombing at Bristol, referred to here, was that of J.W Tutchter with whom Arkell had corresponded and collaborated.

Arkell also refers to the total destruction of Caen University Museum by Allied bombardment. He acted as Secretary and Treasurer to the appeal launched in 1944 to restock the Geological Department. See also E.44, E.106, H.34, H.36.

Arkell's preface reads:

'The preliminary work for this monograph began some thirty years ago, when the author as a schoolboy hammered ammonites from the limestone at South Quarries, Highworth, and from the stone heaps at Hangman's Elm Quarry.

Hangman's Elm Quarry, from which so many ammonites were obtained, has been filled up with rubbish by the Highworth Rural District Council, and the local council at

## Publications

Kingston Bagpuize is now rapidly filling up the celebrated Lamb and Flag quarry. Most of the quarries at Cowley and Horspath have shared the same fate: Brittleton Barn quarry and Industrial School south quarry are filled with rubbish, and Industrial School north quarry has disappeared and given place to a factory. Marcham quarries have long been abandoned and await the refuse. Garbage has, in fact, become the main enemy of the geologist and palaeontologist in southern England.

Although unconscious of the fact at the time, in the 1920s the author as a youth on one side of Oxford, and S.S. Buckman in his old age on the other, were salvaging the last scraps of geological evidence at the end of an epoch. In those days the small quarries in nearly every parish were still worked for road-mending, lime-burning, and even local building. It seems unlikely that similar opportunities for studying the rocks and their contents of so many places will occur again within a measurable period, unless there should come a national economic calamity; but this would preclude the chance of anyone having time for such studies.

Even the older specimens in museums, which might have been considered safe for all time have proved to be in urgent need of record and publication lest they disappear for good. When describing and photographing the Corallian ammonites in the Bristol and Hull museums it was little thought that before the monograph was completed these records would be all that survived. Yet both collections were destroyed by German bombing in 1941-2. Still more timely was the examination of the Corallian ammonites at Caen University Museum, which comprised the largest and best-preserved collection in existence. After the bombardment of Caen in 1944 not a single specimen remains, but happily it is possible in this final Part to publish a list of the species present and the numbers of each species, and the only visual record that survives are the several photographs of choice specimens specially taken for this monograph through the kindness of Professor L. Dangeard. The collection represented the cream of the sea-coast finds by the nineteenth century collectors who were first in the field and, like the Leckenby collection for the Yorkshire coast, it is never likely to be repeated'.

The material is arranged as follows:

E.38-E.39 Drafts and correspondence

E.40-E.65 Research notes and correspondence

E.66-E.78 Figures, diagrams, photographs

### Publications

E.38-E.39	Drafts and correspondence	1939-1944
E.38	<p>Contents of envelope inscribed 'Monograph on the Ammonites of the English Corallian Beds. Copy of T.S of unpublished parts, ready for press'. The date July 1940 is crossed out and a later date 'Revised 1944' substituted.</p> <p>Typescript (part only) of text.</p> <p>The texts are: Section 4 The perisphinctids of the Ampthill Clay and Upper Calcareous Grit, pp 1-44; Section 5 Summary of conclusions. Palaeontological conclusions, pp 1-11. Stratigraphical conclusions, pp 12-37; Table of contents, 3pp.</p>	1940-1944
E.39	<p>Miscellaneous material</p> <p>Includes letter 31 January 1939 from the President of the Palaeontographical Society saying 'The Pal. Soc. may certainly now proceed with the publication', and Arkell's calculations of costs and of enlargements for photographs.</p>	1939
E.40-E.65	<p>Research notes and correspondence</p> <p>Correspondence with colleagues and with museums in UK and abroad, requesting information on ammonite holdings; loans; identifications and return of specimens; arrangements for visits by Arkell and his notes. Careful lists were compiled for the despatch and return of numbered specimens from principal museums, and these are retained.</p> <p>The correspondence begins in the 1930s and spans the years of the 1939-1945 World War. Sometimes, especially with museums in Europe, it is broken off for the duration or completely. It is noteworthy however that Arkell kept up his research and correspondence steadily throughout the war with his principal sources in London and Cambridge.</p>	1930-1948
E.40-E.60	<p>Correspondence with museums</p> <p>This deals with UK and European sources, and is presented alphabetically. Some exchanges are very brief, others cover a wide timespan and may include detailed discussion on specimens and classifications.</p>	1932-1948
E.40	Abingdon Museum (Oxon)	1937-1938

### Publications

E.41	Geological Institute, Bonn	1938-1939
	<p>Correspondence with E. Jaworski mainly on Decipia with sources and attributions. Includes 2pp account by Arkell on Vinalesphinctes and Decipia 17 August 1938.</p> <p>Jaworski's last letter of 5 July 1939, looking forward to the latest instalment of 'Corallian Ammonites', has a manuscript note by Arkell 'Never sent owing to outbreak of war'.</p>	
E.42	British Museum (Natural History), London	1936-1945
	Letters, cards, lists of loans and returns.	
E.43	British Petroleum (B.P)	1938
E.44	Caen University	1937-1939
	<p>Arkell visited Caen in 1937 and borrowed some specimens which he returned in May 1939. They, along with all the Caen collections, were destroyed in the Allied bombardments.</p> <p>Arkell refers to this in his own Preface quoted in the introduction to E.38-E.78.</p>	
E.45-E.46	Geological Survey and Museum, London	1935-1948
	Correspondence, lists of loans and returns.	
E.45	1935-1939	1935-1939
E.46	1940-1948	1940-1948
E.47	Geological Survey, Edinburgh	1937-1940
	Correspondence, lists of loans and returns.	

### Publications

E.48	Geneva University	1937
E.49	Hull Municipal Museums  Arrangements for visit, loan and return of specimens. These were lost in the German air-raids of 1941-1942; the Director's letter of 22 November 1944 states: 'Yes, unfortunately, we lost the whole of our geological collections at Albion Street [the Central Museum at Hull] including those you have described'.  See Arkell's Preface at E.38-E.78.	1933-1944
E.50	Leeds City Museums	1937
E.51	Lille	1937, 1939
E.51A	Liverpool University	1938, 1940
E.52	Nancy Institute of Geology, France	1937
E.53	Scarborough, Yorkshire  Arrangements for visit and photographs.	1937
E.54-E.55	Sedgwick Museum, Cambridge  This was among Arkell's principal sources of information and enquiry. The correspondence is conducted with A.G Brighton, Curator of the Museum and includes detailed lists and identifications of specimens.  See also F.36-F.43	1933-1947
E.54	1933-1937  Correspondence, identifications, lists of loans and returns.	1933-1937

### Publications

E.55	1938-1947	1938-1947
	Several of Brighton's letters refer to the difficulty of caring for the Museum's specimens in a 'place of safety' during the war, and of resuming normal work afterwards. Arkell continued to request and receive specimens steadily from 1944 onwards.	
E.56	Somerset County Museum	1938
E.57	Geological Institute, Tubingen	1936,1937
E.58	Whitby, Yorkshire	1937
E.59	Yorkshire Museum, York	1932, 1940
E.60	Shorter correspondence with colleagues on ammonites.	1937-1940
E.61-E.65	Arkell's notes and drafts on various topics.  These are preliminary notes and do not constitute a full draft for the publication.	
E.61	Notes and tables on Yorkshire ammonites.  Notes were compiled from various sources: British Museum, Sedgwick Museum, Yorkshire Museum, Hull, Scarborough, mainly during visits between 1936 and 1939.	1936-1939
E.62	Notes on ammonites from various UK locations.	
E.63	Miscellaneous notes, descriptions and photographs.  Includes ammonites from the collection of J.W Tutchter, later destroyed in German air-raids on Bristol.  See also E.72.	

## Publications

E.64 Notes on ammonite holdings in German collections at Berlin, Gottingen, Hanover.

E.65 Notes on the literature.

E.66-E.78 Figures, diagrams, photographs.

The material includes contents of envelopes left in the Oxford Museum of Natural History after Arkell moved to Cambridge in 1947. Some of the envelopes were subsequently labelled in another hand and these descriptions have been retained though they are not always a complete indication of the material.

In addition many of the photographs remained unclassified in various folders and containers. All the material from whatever source is presented as far as possible in the systematic order followed by Arkell in the published volume.

The diagrams are the 'rib-curves' indicating the morphological criteria determining genera and species. The photographs for text figures almost always have a full description of size, location and source. Most, but not all, are numbered and have instructions to the printer about reduction and layout on the page.

E.66 *Dichotomosphinctes*

Rib-curves for figures 1, 3, 4, 6, 20, 24 and unnumbered.

Photographs mainly of *P. antecessens*, not numbered.

E.67 *Perisphinctes*

Rib-curves for figures 25, 29. Photographs for figures 26-28, 30-33, 65 and unnumbered.

E.68 *Arisphinctes*

Rib-curves for figures 35, 37, 38, 41, 42, 46, 49, 52, 53 and unnumbered.

Photographs for figures 34-67 (not all numbered, not all *Arisphinctes*).



### Publications

- E.69                    *Liosphinctes*  
Photographs (not numbered).
- E.70                    *Kranaosphinctes*  
Rib-curves for figures 55, 57, 61. Photographs for figures 56, 58-60, 62-64 and unnumbered.
- E.71                    *Aspidoceras*  
Rib-curve for unnumbered figure. Photographs for figures 68-74 and unnumbered.
- E.72                    *Cardioceras*  
Photographs for figures 75-92, 104, 106-124 and some loose photographs. Includes some items from the collection of J.W. Tutcher.
- E.73                    *Cardioceras*  
Photographs for plates 14, 15 and many unnumbered photographs.
- E.74                    *Perisphinctes* (miscellaneous)  
Rib-curve for figure 127; photographs for figures 126, 128-131.
- E.75                    *Decipia*  
Photographs and drawings for figures 132-135.
- E.76                    *Amoeboceras*  
Photograph for figure 136.

### Publications

- E.77                      Miscellaneous unnumbered and unidentified photographs.
- E.78                      Photographs for plates, identified and numbered some with Arkell's instructions to the printer.
- E.79                      'Three tectonics problems of the Lulworth District'.                      1936
- Uncorrected abstract of a paper to be read at a Geological Society meeting on 18 November 1936.
- The full paper was published in *Quart. J. Geol. Soc. Lond.*, vol. 94 (1938). See J.35.
- E.80                      'The zonal position of the Elsworth rock and its alleged equivalent at Upware, Cambs.', *Geol. Mag. Lond.*, vol. 74 (1937).                      1937
- Correspondence with A.G. Brighton and E. Dixon, May 1937, information, Arkell's notes and part draft for paper.
- Arkell published three further short papers on Elsworth rock in *Geol. Mag. Lond.*, vol. 75 (1938).
- E.81                      'The site of Cherbury Camp', *Oxoniensia*, vol. 4 (1939).                      1939
- Correspondence *re* Arkell's article, invitation to write on site findings, thanks for advice.
- E.82                      'Some topographical names in Wiltshire', *Wiltsh. Archaeol. nat. Hist. Mag.*, vol.49 (1940).                      1941
- Correspondence, 1941 *re* Arkell's article above mentioned.
- E.83                      'Notes on the age of the Swindon Purbeck Beds', *Proc. Geol. Ass. Lond.*, vol. 52 (1941).                      1938-1940
- The article was written in collaboration with P.C Sylvester Bradley. Includes arrangements for despatch and return of specimens, locations and identifications, publication arrangements.

### Publications

- E.84 'Mineral Resources of Continental Europe', *Nature, Lond.* vol. 147 (1941). 1941
- Typescript and manuscript drafts, variously paginated, manuscript tables, brief correspondence. See also J.37.
- E.85 'Place names and topography in the Upper Thames country', *Oxoniensia*, vol. 7 (1942). 1941-1944
- Correspondence preceding and following publication, including enthusiastic approval and extensive comments by F.M. Stenton, notes by Arkell.
- E.86 'A New Bronze Age Site at Highworth, Wilts.' *Wiltsh. Archaeol. nat. Hist. Mag.*, vol. 50 (1944). 1944
- Draft, correspondence.
- The article was written in collaboration with T.N Arkell (Arkell's brother). Highworth was Arkell's birthplace. His brother continued to live there.
- See also E.197.
- E.87 'The London Excursion, 1725' *Proc. Geol. Soc. Lond.*, vol. 57 (1946). 1946
- 10 pages of manuscript draft, 2 pages of manuscript notes. This pastiche 'Field Meeting Report' details, in the style of the supposed period, an excursion round the quarries and clay-pits of Soho, Hyde Park, Piccadilly and neighbourhoods. It was published anonymously.
- See L.R. Cox, *Memoir*, p7.
- E.88-E.92 'The geology of the country around Weymouth, Swanage, Corfe and Lulworth', *Mem. Geol. Surv. U.K.* (1947). 1936-1952
- The article was written in collaboration with C.W. Wright and H.J.O. White.
- Additions and corrections 1952, reprinted 1953. See also J.44.

### Publications

- E.88 Arkell's manuscript and typescript draft. 1936-c 1947
- Heavily corrected manuscript and typescript draft, with instructions to typist and occasional calculation of word-length. The title page reads 'The Geology of Weymouth, Purbeck and Portland by W.J Arkell with contributions by W.B Wright and H.J Osborne White.' There is a further manuscript note 'Begun at Muscliff, Ringstead Bay, July 1936'.
- E.89 Arkell's bound index copy. 1943-1947
- The index has many corrections and emendations and 1p suggested corrections in another hand. The original HMSO publication date is given as 1943. Arkell's manuscript note reads 'Received 7 Aug. 1944. Returned corrected 23 Aug. 1944. Published 1947'.
- E.90 Correspondence including excursion by Arkell to investigate geological changes in the area. 1950-1952
- E.91 Letters and cards from B. Mottram. 1953
- The correspondence is densely written and only a few items are dated (1953) or have legible postmarks.
- Mottram was mapping sites in the area on Arkell's behalf.
- See also J.45.
- E.92 Additions and corrigenda 1952, published note. 1952
- Typescript drafts of changes in the area to be incorporated in revised edition, on Ringstead Chalk Pit, the Kimeridge Clay succession and 'Erratics in Dorset shingle beaches'
- E.93 *The Geology of Oxford*, Oxford University Press (1947). 1947
- Typescript and manuscript drafts for Appendix 3 'The Buried Rocks Under Oxford City' and Appendix 4 'Some Work for the Future', paginated 590-604.
- Illustrations for the book are at J.6.

### Publications

- /...
- 'The Geology of Oxford' appeared the same year as *Oxford Stone* (Faber and Faber).
- Arkell's extensive long-term research into building stone is well documented at C.49-C.84 but there are no further drafts or material for 'The Geology of Oxford' among Arkell's papers. Corrected page-proofs intended as the basis for a revised edition by J.M Edmonds and J.H Callomon can be found in the papers of J. M Edmonds in Oxford University Museum of Natural History, NCUACS catalogue no. 77/6/98, items B.62-B.81.
- E.94-E.95 'The geology of the Evenlode Gorge, Oxfordshire', *Proc. Geol. Ass. Lond.*, vol. 58 (1947). 1945-1948
- See also J.41.
- E.94 Correspondence, Expeditions, Identifications. 1945-1948
- Expeditions and identifications covered especially in Warwickshire, the Coventry area and Moreton and their relation to the Evenlode. Includes discussion of gravel-pits and palaeoliths by M.E. Tomlison and by Arkell, expedition with F.H Shotton and others, etc
- See C.125-C.155 for further research on palaeoliths.
- E.95 'Geology of the Evenlode Gorge'. 1947
- 8 manuscript pages for illustrated lecture, 11 April 1947.
- E. 96-E.101 'A Geological Map of Swindon', *Wiltsh. Archaeol. nat. Hist. Mag.*, vol. 52 (1948). 1947-1952
- Drafts, maps, correspondence, notes. The inscription on Arkell's original folder 'Swindon Sarsens 1947' recalls the important contribution of Mr. J.B. Jones, a retired school-master and local geologist. Jones had argued that the sarsen stones commonly found in the area were native to the Mesozonic sand of the Vale, independent of the later Eocene sarsens of Avebury and Stonehenge. The accompanying map incorporates the Wealden Beds for the first time.
- Arkell was introduced to Jones by H.C Brentnall, Editor of the *Wiltshire Archaeological and Natural History Magazine* and visited him on several occasions, inspecting local sites

### Publications

- /... and conducting extensive mapping of the area. His published paper pays generous tribute to Jones in correcting 'a major error that has been repeated in the geological literature for over a hundred years'.
- E.96 Draft of paper.  
  
29pp typescript and manuscript with a manuscript headnote 'sent to Brentnall 31/x/47'. Brief editorial correspondence.
- E.97 Notes on specimens found and notes on the literature.
- E.98 Maps and plans annotated.  
  
Arkell's original folder is retained here.
- E.99 Correspondence with J.B. Jones, July 1947 - May 1952. 1947-1952  
  
The letters and postcards mainly from Jones, usually densely written in longhand, but a few pencil copies of Arkell's letters are included and his notes of his initial visit to Jones in August 1947. Jones's letters always express great respect for Arkell and delight that his own discoveries should command such attention; nevertheless he is prepared to argue his case firmly when there is disagreement. Arkell for his part obviously kept up the correspondence and gave Jones copies of his books, articles and poems. Jones continued to investigate local sites and to publish in local newspapers. His last letter, still reporting activities, is dated 14 May 1952 very shortly before his death.
- E.100 Photographs and press cuttings including 'Death of Sarsens expert' (Jones) in October 1952. 1947-1952
- E.101 Correspondence and reports on sarsens and matters arising 1947-1952. 1947-1952

### Publications

- E.102-E.110                    'A Survey of the Mollusca of the British Great Oolite Series, primarily a nomenclatorial revision of the monographs by Morris and Lycett (1851-55), Lycett (1863), and Blake (1905-07)' Palaeontographical Society London, 1948-1950.                    1945-1949
- The publication was written in collaboration with L.R. Cox. This was part of the commemoration of the centenary of the Palaeontographical Society which occurred in 1947. The Secretary of the Centenary Committee was C.J. Stubblefield.
- Several proposals were put forward. See E.107 for Arkell's contribution to a Directory of Fossiliferous Localities. Arkell's own proposal, submitted in a memorandum to the Society (see E.106), was for 'the issue of revisionary synoptic supplements of old monographs', to take account of changes in nomenclature and systematics. He gave a detailed table of the proposed publications, authors and suggested revisers, including himself and L.R Cox to revise Morris and Lycett on the Great Oolite Molluscs. After some deliberation the work went ahead and after detailed correspondence with Cox and other collaborators was published by the Society 1948-1950.
- E.102-E.105                    Drafts.
- E.102                            'Revision of the Cephalopoda of the Great Oolite Series...by W.J Arkell, 1945'.                    1945
- 15pp typescript and manuscript.
- E.103                            'Morris and Lycett. Cephalopoda'.                    1948
- List of plates. 5pp typescript and manuscript and 1p 'corrections to explanation of plates December 1948'.
- E.104                            'Stratigraphical Introduction'.                    1949
- 16pp typescript and manuscript.
- E.105                            'Supplement to Preface and Bibliography'.                    1949
- Appendix, some additional material, a little correspondence from L.R Cox. January 1949.

### Publications

E.106-E.110	Correspondence.	1945-1949
E.106	January-December 1945.  Includes Arkell's memorandum proposing a revision of early monographs and the specimen pages he subsequently submitted (6pp manuscript, April).  Letter of 25 July states that 'after much deliberation in committee and council' the synoptic supplements would go ahead but that the main scheme to mark the Centenary should be the Directory of British Fossiliferous Localities. Reference is also made <i>passim</i> in the correspondence to the Caen restoration appeal.	1945
E.107	July-December 1945.  Correspondence and material on the 'Directory of British Fossiliferous Localities'. Letter of 6 November from R.V. Melville refers to Arkell's 'stupendous, mind-boggling contribution' to the scheme.	1945
E.108	January-August 1946.  Correspondence on specimens, organisation of work, comments and presentation, Stubblefield's 'general editorial comments for compilers', August 1946.	1946
E.109	January-December 1947.  Continuing correspondence mainly with L.R Cox on locations and descriptions (few of Arkell's letters survived). Stubblefield's letter of 2 April informs Arkell of his election to the Council of the Palaeontographical Society.  Includes draft preface, 6pp of manuscript.	1947
E.110	January 1948-January 1949.  Includes comments and amendments on manuscript, some manuscript drafts by Arkell.	1948-1949



### Publications

E.111-E.114	'The geology of the Corallian ridge near Wootton Bassett and Lyneham, Wilts.', <i>Wiltsh. Archaeol. nat. Hist. Mag.</i> , vol.54 (1951).	1946-1951
E.111	21pp manuscript draft.	c 1950
E.112	22pp typescript and manuscript draft.	1950
E.113	Proof with manuscript corrections.	1951
E.114	Correspondence with colleagues and <i>re</i> publication.	1946-1951
E.115-E.122	'Jurassic Ammonites from Jebel Tuwaiq, Central Arabia, <i>Phil. Trans. B</i> , vol. 236 (1952).  Publication written with R.A Bramkamp and M. Steinecke.	1945-1968
E.115	Typescript and manuscript draft.  111 numbered pages and some unnumbered, dated 6 July 1951.	1951
E.116	Plates with Arkell's instructions.	
E.117	Correspondence, chiefly with R.A Bramkamp.  On specimens, identification, arrangements for publication, continuing exchanges of scientific information. Arkell identified what he called Bramkamp's 'splendid "Triassic beasts' as Liassic genus <i>Bouleiceras</i> and corresponded with French colleagues on findings in Algeria. Correspondence continues to 1958 after Arkell's death.  R.A Bramkamp was working for the Arabian American Oil Company at the time.  See also F.5.	1948-1958

### Publications

- E.118 Maps and localities annotated by Bramkamp and Arkell.
- E.119 Background information.
- E.120 Two colour photographs. Nd  
No place or name identified, perhaps received from Bramkamp.
- E.121 Correspondence and information exchanged with R.W Imlay and others at US Department of the Interior Geological Survey. 1945-1968  
Correspondence is on specimens from north Egypt and Sinai. Includes Arkell's notes and request to refer to the material in his Arabian ammonites paper. Correspondence continues to 1968 after Arkell's death.
- E.122 Reports (photostats) on wells in Western Desert of Egypt by Standard Oil Company of Egypt sent to Arkell 1951, with brief correspondence. 1946-1951  
Later correspondence on Arabian ammonites can be found at C.8.
- E.123-E.124 'The Fuller's Earth of the Cotswolds and its relation to the Great Oolite', *Quart. J. Geol. Soc. Lond.*, vol. 107 (1952). 1952  
Written with D.T. Donovan. This paper replaces one originally read by Arkell to the Geological Society in May 1949, which was published in abstract and subsequently withdrawn in favour of a resubmitted collaborative paper with Donovan. (see letters of 19 April and 3 May 1950).  
See C.31, C.32, C.115, C.115, J.43, for further material on 'Fuller's Earth'.
- E.123 Correspondence, December 1949-February 1951. 1949-1951  
Includes comments by the Publication Committee of the Society and Arkell's reply, correspondence with Donovan and the Society *re* withdrawal and resubmission of the paper.

### Publications

- |             |   |           |
|-------------|---|-----------|
| E.124       | 5pp manuscript draft for a lecture.<br><br>The draft was probably given by Arkell to the Society May 1949. Maps and drawings by Arkell.   | Nd        |
| E.125       | <i>English rock terms chiefly as used by Miners and Quarrymen</i> , with S.I Tomkeieff, Oxford University Press.<br><br>Brief correspondence only, 1953.  | 1953      |
| E.126-E.128 | 'A review of the Jurassic of western Sicily based on new ammonite faunas', <i>Quart. J. Geol. Soc. Lond.</i> , vol. 110 (1954).<br><br>Written with H.R. Warman.<br><br>The work arose from a request from the Anglo-Iranian Oil Company and British Petroleum (BP) Palaeontological Laboratory for Arkell to identify specimens of Jurassic ammonites from Sicily. The specimens had been collected by H.R Warman , then working for the Company in Sicily. They were of sufficient interest for Arkell to suggest a collaborative paper and to arrange for some to remain on provisional deposit at the Sedgwick Museum in Cambridge.<br><br>See also F.15. | 1954      |
| E.126       | Correspondence.<br><br>Correspondence, mainly with E.J White in London, and Warman in Sicily on the despatch and identification of specimens, suggestion for collaborative publication (23 May 1952).   | 1952-1953 |
| E.127       | Arkell's draft for paper (part only).<br><br>8pp typescript and manuscript with a note 'sent for typing 18 June 1953'.  | 1953      |
| E.128       | Arkell's reports on Sicilian ammonites.<br><br>Notes on the literature.   | 1952-1953 |

### Publications

- |             |   |           |
|-------------|---|-----------|
| E.129-E.131 | <p>'The Bajocian ammonites of western Australia', <i>Phil. Trans. B</i>, vol. 237 (1954).</p> <p>Publication written with P.E. Playford. The work developed from Arkell's correspondence with R.W. Fairbridge, a former pupil then working at the University of Western Australia.</p> <p>In May 1952 Fairbridge sent Arkell a report on the Jurassic of Western Australia by Playford, then an honours student, later Director of the Geological Survey of Western Australia. Arkell was very enthusiastic about the specimens, which he pronounced 'marvellous material' and 'splendid fauna', and suggested a collaborative publication in his letter of 4 November 1952 to Playford, with whom the correspondence is principally conducted. He also wrote to many colleagues and institutions requesting specimens for identification and comparison.</p> | 1945-1990 |
| E.129       | <p>Typescript and manuscript draft.</p> <p>113pp, submitted 13 January 1954, sent for printing 30 April 1954.</p>   | 1954      |
| E.130       | <p>Photographs pasted-up for plates.</p>  |           |
| E.131       | <p>Correspondence 1949-1955, 1990.</p> <p>Correspondence 1949 is one letter only. Correspondence 1952-1955 is extensive exchanges with Playford and many other colleagues in Australia and world wide, tracing and identifying specimens. Includes lists of despatch and return, numbering and attribution, localities, etc.</p> <p>Correspondence with German colleagues in January 1953 refers to treatment of Jewish collections and collectors under the Nazi regime. Letter of 12 April refers to a disastrous fire at Canberra, which destroyed many collections and records.</p> <p>Correspondence of 1990 deals with the loss of some materials in transit.</p>   | 1949-1990 |
| E.132-E.135 | <p>'The effects of storms on Chesil Beach in November 1954', <i>Proc. Dorset nat. Hist.Fld. Cl.</i>, vol. 76 (1956).</p>  | 1954-1956 |

**Publications**

- |             |  |           |
|-------------|--|-----------|
| E.132       | Typescript and manuscript drafts, 10pp.<br><br>Two copies, not identical, one with suggested corrections and a covering note from W.V. Lewis, Geography Department Cambridge, to whom Arkell had sent it.<br><br>Other correspondence with Lewis is at E.133.  | c 1956    |
| E.133       | Correspondence November 1954-June 1956.<br><br>Includes correspondence with the Secretary, Dorset Natural History and Archaeological Society and with local and national press about an incorrect statement on the event, attributed to Arkell. Also included are reminiscences of previous storms at Chesil Beach, request for Arkell to contribute a paper to the <i>Proceedings</i> (2 March 1955), correspondence with W.V. Lewis on Arkell's paper, letters of thanks and related printed material. | 1954-1956 |
| E.134       | Continuing correspondence and papers on the erosion and protection of the Dorset coast.  | 1956      |
| E.135       | Press cuttings on the storms and coastal damage.   | Nd        |
| E.136-E.138 | 'Geological results of the cloudburst in the Weymouth district, 18 July 1955', <i>Proc. Dorset nat. Hist.Fld. Cl.</i> , vol.77 (1956).   |           |
| E.136       | 11pp manuscript draft; typescript draft with manuscript corrections with a headnote 'Galley proof read. 30 May, returned, 31 May 1956'; brief editorial correspondence.  | 1956      |
| E.137       | Photographs, maps, Arkell's notes, related printed material.   | nd        |
| E.138       | Correspondence and information from colleagues, local sources, etc.  | 1955      |

### Publications

- E.139-E.161      *Jurassic Geology of the World*, Oliver and Boyd, 806pp, 1956      1951-1957
- This was another of Arkell's large-scale synoptic works following a similar format to *The Jurassic System in Great Britain* of 1933 (see E.15-E.37). The book concentrated on ammonite palaeontology and proposed a simpler set of correlation zones than that currently used. The first draft (E.139) is all in longhand. See Arkell's own notes of the publication chronology of the book, retained with his reviews file at E.144.
- The material is arranged as follows:
- E.139-E.143      Manuscript drafts
  - E.144-E.148      Correspondence and reviews
  - E.149-E.161      Photographs, figures, diagrams
- E.139-E.143      Manuscript drafts.
- E.139      Manuscript draft with many corrections and deletions.
- Chapters are paginated individually and do not follow the order of the published book. Includes two loose pages on igneous activity.
- E.140      947pp typescript draft with many manuscript corrections, including dedication and preface.
- E.141      642pp index copy.      1955
- Proofs and corrections in sections bearing various dates, June-September 1955. Lacks bibliography and index.
- E.142      Galley proofs with manuscript corrections.
- E.143      Proofs of illustrations with annotations.
- E.144-E.148      Correspondence and reviews.      1953-1957

### Publications

E.144	<p>Correspondence with Oliver and Boyd.</p> <p>Arkell's letter of 15 March 1953 enquires 'whether you would be interested in the publication of a rather big geological work I have had in hand for some years, to be called "The Jurassic Geology of the World" '. The offer was accepted and the contract signed in October 1953.</p> <p>Correspondence 1956 is principally forwarding copies of reviews.</p> <p>Arkell's original folder is retained here with his notes 'Typescript sent to O &amp; Boyd July 1954. Page proofs 20 June-Sept 1955, advance copy 15 March 1956. Published 25 April 1956 £50 advance royalties received 21 April 1956'.</p>	1953-1957
E.145	<p>Miscellaneous shorter correspondence.</p> <p>Permission to reproduce photographs, comments on manuscript.</p>	1954-1956
E.146	<p>Correspondence with colleagues some enclosing their reviews of the book which were to be published in journals, etc.</p>	1956-1957
E.147	<p>Correspondence, information, maps, etc.</p> <p>The documents are on Jurassic stratigraphy of Egypt, requested by Arkell from oil companies for the book.</p>	1951, 1955
E.148	<p>Shorter correspondence, requesting and sending photographs.</p>	1951-1952
E.149-E.161	<p>Photographs, figures, diagrams.</p>	Early 1950s
E.149-E.158	<p>Photographs sent to Arkell by colleagues.</p> <p>Ten envelopes of photographs sent to Arkell at his request, some with correspondence or identified on verso.</p>	1951-1953

## Publications

- E.159 Spare and unidentified photographs.  
1 envelope.
- E.160 Originals of plates, Numbers 1-46.
- E.161 Figures, maps, diagrams, with manuscript notes, identifications, instructions.  
1 parcel.
- E.162-E.193 *Treatise on Invertebrate Paleontology*, Part L Mesozoic Ammonoidea (with C.W Wright), Geological Society of America and the University of Kansas Press, 1957. 1948-1957
- This was a major collaborative project by the Palaeontological Society and the Society of Economic Palaeontologists and Mineralogists (in America) and the Palaeontographical Society (in the UK), under the Chairmanship of R.C Moore of the University of Kansas, who became the General Editor. Set up in 1948, it involved international collaboration, careful preliminary discussion of methodology and continuing editorial care in the layout of text and illustrations. The UK member of the Executive Committee was C.J. Stubblefield. After some correspondence, Arkell agreed to undertake the section on Mesozoic Ammonites, in collaboration with his long-term friend and colleague C.W (Bill) Wright.
- The correspondence at E.170-E.188 is conducted with the General Editor, Arkell's co-authors, the Secretary of the International Commission on Nomenclature (F. Hemming), and many colleagues; it includes detailed exchanges on methods, categories, nomenclature, reports on work in progress, editorial conventions and occasional differences of view. Even as the project reached the stage of, as one of the collaborators put it, 'winding up the Treatise clock', Arkell was continuing to add or amend material to take account of the latest research. At the last moment also there was trouble over the form of bibliographical references, which Arkell refused to alter, the task being undertaken by Wright, who was at that time a senior civil servant in the Ministry of Defence, working on the Treatise in his spare time.
- Full as the correspondence is, internal evidence shows that some letters and many of the circulars are missing.



### Publications

The material is arranged as follows:

E.162-E.169 Manuscript drafts

E.170-E.188 Correspondence

E.189-E.193 Illustrations

- |             |  |        |
|-------------|--|--------|
| E.162-E.169 | Manuscript drafts.   | c 1957 |
| E.162       | 'Introduction to the Mesozoic Ammonidea'.<br><br>73pp typescript and manuscript, with instructions to the typist.  |        |
| E.163       | Entries and descriptions.<br><br>200pp typescript and manuscript.  |        |
| E.164       | One box of slips giving genus, type, bibliographical references, scale of reduction, etc. Arkell's 1p note of instructions is included.<br><br>See Arkell's letter of 1 January 1952 in E.176. |        |
| E.165       | One box of descriptions for entries.<br><br>Heavily corrected manuscript.  |        |
| E.166       | Drafts on <i>Aptychi</i> .<br><br>7pp typescript and manuscript by Arkell. Pages 10-26 of draft by another. Manuscript notes on the literature of <i>Aptychi</i> by Arkell.                    |        |
| E.167       | Miscellaneous notes by Arkell and Wright.  |        |
| E.168-E.169 | Drafts and correspondence.<br><br>Correspondence exchanged chiefly with A.K. Miller, B.  |        |

### Publications

/...	Kummel and W.M. Furnish (American collaborators). Further comments occur in the correspondence for the relevant dates.	
E.168	Drafts and comments on cephalopods.	1952-1954
E.169	Drafts and comments on classification of paleozoic ammonoides.	1953-1955
E.170-E.188	Correspondence.	1948-1956
E.170	December 1948-May 1949.  Setting-up papers, organisation and participants.  Correspondence April 1949 deals with Arkell's and Wright's agreement to undertake work on Mesozoic ammonites.  Moore's letter of 20 May 1949 suggests B. Kummel to work on Triassic ammonites.  Correspondence 23 May 1949 includes Wright's comments on classification of the Cretaceous system by stages.	1948-1949
E.171	May-December 1949.  Some reference is made to Arkell's papers 'Jurassic ammonites in 1949', <i>Sci. Prog. Lond.</i> , vol. 37 (1949) and 'A Classification of the Jurassic ammonites', <i>Journal of Palaeontology</i> vol 24 (1950).  Continuing research, draft entries, discussions on nomenclature.	1949
E.172	December 1949.  Includes Arkell's letter 10 December on matters relating to the Treatise, sent to other colleagues involved and replies or comments received, and Arkell's 'part draft for treatise', 23 pages (another copy is at E.176).	1949

**Publications**

E.173	February-June 1950.	1950
E.174	July-December 1950.  Includes Arkell's calculations on pages and numbers of illustrations required, specimen entries sent to R.C. Moore 7 August, glossary of morphological terms sent 30 October, discussions on nomenclature.	1950
E.175	February-December 1951.	1951
E.176	January-December 1952.  Includes Arkell's letter of 1 January referring to the 2½ inch thick pile of slips of references to types and authors (see E.164), comments on contributions by collaborators, another copy of his 'part draft 1949' (see also E.172).	1952
E.177	January-March 1952.	1952
E.178	February-June 1952.  Correspondence with E. Basse de Ménorval on her work for a French treatise on the Jurassic, with comments.	1952
E.179	January-November 1953.  Includes comments on contributions by collaborators, Arkell's report to Moore on state of play 4 October.	1953
E.180	November-December 1953.  Mainly on appointment of O.H. Schindewolf as a Treatise collaborator.	1953
E.181	January-May 1954.  Includes draft list of proposed abbreviations (from US colleagues), correspondence with D.T. Donovan on family names.	1954

### Publications

E.182	July-December 1954	1954
	Includes several exchanges with C.W. Wright on final drafts for entries, Arkell's 'Points arising from final redrafting...' circulated to Treatise collaborators 15 November, and his 'Progress report... at end of 1954', 24 December.	
E.183	January-May 1955.	1955
	Mainly with C.W. Wright on final draft and with R.C. Moore on his editorial queries.	
E.184	May 1955.	1955
	Mainly replies to Moore's editorial queries, final decisions on text, references, illustrations, revised version of 'Glossary of Descriptive Terms', further manuscript version of entry on <i>Aptychi</i> .	
E.185	June-September 1955.	1955
	Continuing editorial queries on text and illustrations.	
E.186	October-December 1955.	1955
	Includes discussion of standardisation of forms of bibliographical references. Arkell's were anomalous for the Treatise and Wright undertook the extensive revision required. Further discussion of <i>Aptychi</i> and many last minute additions and corrections.	
E.187	January-May 1956.	1956
	Includes further discussion on <i>Aptychi</i> , despatch and return of proofs.	
E.188	January 1952-June 1954.	1952-1954
	Correspondence with R. Breazeal, secretary to R.C. Moore, on illustrations for the Treatise. Detailed	

### Publications

/... arrangements for despatch of sample photographs or drawings, revisions and additions, 30pp list of 705 genera by Arkell (see also E.164) sent 14 February 1952, miscellaneous additional lists.

The choice and adequate reproduction of illustrations is frequently alluded to in the main body of the correspondence. Arkell kept the material at E.188 separate probably for ease of reference.

- |             |  |       |
|-------------|--|-------|
| E.189-E.193 | Illustrations.   | 1950s |
| E.189       | Envelope of proofs of illustrations.<br><br>The proofs are numbered 1-213, some with comments by Arkell and a covering note from Wright.   |       |
| E.190       | Loose-leaf binder of Arkell's original illustrations.<br><br>Illustrations are numbered 124-558 with some manuscript identifications. This may be the binder referred to in Arkell's letter of 23 April 1956 at E.187.   |       |
| E.191       | Envelope of photographs inscribed 'New Genera 1952'.   |       |
| E.192       | Envelope inscribed 'Treatise Tracings'.<br><br>Drawings with manuscript identifications.   |       |
| E.193       | One box of photographs.<br><br>In his letter to Wright of 1 October 1952 (see E.176), Arkell writes: 'I have spent two whole days sorting about a thousand photos from Kansas [R.C. Moore's university] into families and writing names on the back and storing in three dozen envelopes'.<br><br>There are 35 labelled envelopes and some loose photographs in the box. |       |

### Publications

- |             |  |           |
|-------------|--|-----------|
| E.194-E.196 | <p>Arkell's contribution to Fasc. 3a of the <i>Lexique Stratigraphique Internationale</i>, eds D.T Donovan and J.E Hemingway, Paris 1963.</p> <p>3 folders of alphabetical manuscript sequences of sites, description, references, etc.</p> <p>Included in E.194 are a letter from Arkell to Hemingway 25 August 1956 amending an entry on the Discus Zone (part of the material in E.194) and a letter from A.G. Brighton to Donovan 1958 forwarding the material after Arkell's death.</p> | 1956-1958 |
| E.197-E.208 | Unpublished work.  | 1933-1957 |
| E.197       | <p>'Introductory sketch of the origin and geology of Highworth Hill'.</p> <p>19pp typescript and manuscript, with a manuscript headnote 'written 1933 on board the Aquitania between New York and Southampton at request of E. Elwell for his History of Highworth (never published)'.</p> <p>See E.86 for a later collaborative paper with T.N. Arkell on Highworth.</p>  | 1933      |
| E.198-E.200 | <p>'The Portland Beds of the Dorset mainland. Supplement: the Brachiopods'.</p> <p>This had been intended as a supplement to Arkell's long paper 'The Portland Beds of the Dorset mainland', <i>Proc. Geol. Soc. Lond.</i>, vol. 46 (1935), with additional material on Rynchonellids contributed by C.H. Waddington.</p> <p>Waddington proved tardy or reluctant to provide his input and the project collapsed (see Arkell's letter of 1938 to A.G Brighton in E.200). See also F.53</p>   |           |
| E.198       | Arkell's 18pp typescript and manuscript draft.   |           |
| E.199       | <p>Waddington's typescript notes.</p> <p>Also includes drawings and photographs with manuscript corrections by Waddington and by Arkell.</p>   |           |

### Publications

E.200	Correspondence 1934, 1938.  Correspondence with Waddington and other colleagues on loans and identifications. Arkell's letter to A.G. Brighton 1938 explains the history of the project and its delays.	1934, 1938
E.201	'A glimpse of Weymouth, Portland and Purbeck three hundred years ago: Coker's survey'.  10pp typescript with manuscript amendments to take account of corrections suggested in the accompanying correspondence.  The paper was submitted in 1942 to Dorset Natural History and Archaeological Society for publication in the <i>Proceedings</i> but is not listed in the Bibliography.	
E.202	Not used.	
E.203-E.206	'The geology of Wytham Hills'.  The paper was written 1945-1946 as part of what Arkell hoped would be 'only the first of a series of surveys of the Wytham estate to be published by the University when circumstances permit', as documentation of the acquisition of the estate in 1943. The plan did not develop, and the paper remained unpublished. Its existence, and the accompanying maps, was known and continued to attract enquiries from researchers up to and after Arkell's death.	1945-1946
E.203	21pp typescript and manuscript drafts, one with manuscript preface.	
E.204	Arkell's detailed annotated maps of the area.	
E.205	Correspondence 1946, 1949-1950.  Correspondence 1946 is on Arkell's abortive plan for a 'Wytham Book' which attracted very unfavourable comments from C.S. Elton.  Correspondence 1949-1950 is on loan of Arkell's material and further attempts to have paper published.	1946-1950

### Publications

- |       |  |      |
|-------|--|------|
| E.206 | <p>Correspondence.</p> <p>Correspondence is on a further request to borrow Arkell's material by Department of Forestry Oxford and its return after his death. One of Arkell's last letters (February 1958) is included here.</p>   | 1958 |
| E.207 | <p>'Thoughts on Lynchets' (Wiltshire prehistoric cultivation terraces).</p> <p>10pp typescript and manuscript draft; notes on the literature, background material.</p> <p>Correspondence 1947 from K.P. Oakley and 1948 on possible publication in <i>Wiltshire Archaeological and Natural History Magazine</i>. The paper is not listed in the Bibliography.</p>  |      |
| E.208 | <p>'Jurassic System'.</p> <p>An update for the <i>Encyclopaedia Britannica</i> of the article originally contributed by Arkell in 1929 to ed. 14, vol. 13.</p> <p>Manuscript and typescript drafts, copy of 1929 article with deletions and emendations used as basis for new version, brief editorial correspondence July-November 1957.</p> <p>Arkell's manuscript is in the wandering hand on the right of the page which testifies to his struggle to recover from his first stroke.</p> <p>A.G. Brighton refers to this commission in his letter of 22 May 1958 in F.2.</p> | 1957 |
| E.209 | <p>'An account of the crosses on the perambulation'.</p> <p>Short manuscript note on the beating of boundaries at an Oxfordshire parish near Cumnor.</p>   | Nd   |
| E.210 | <p>'Gwyles, Goyles and Gills'.</p> <p>Documents are on Dorset names for valleys, with a note 'sent 20/2/43.' No other identification of publication.</p>   | 1943 |



**SECTION F**

**SEDGWICK MUSEUM, CAMBRIDGE, F.1-F.54**

**1931-1959**

Arkell died on 18 April 1958, without having appointed a literary executor, though he had made specific testamentary bequests for his geological collections and library. The task of overseeing these bequests and of dealing with the very extensive material left in Arkell's room at the Sedgwick Museum and at his home was undertaken with great efficiency by A.G. Brighton, then Curator of the Museum.

The material in this section is a photocopy record, kindly made available by the Museum, of the papers and correspondence relating to Arkell now held in the Sedgwick Museum. It includes A.G. Brighton's correspondence with the Trustees and administrators of the estate, and arrangements for the location, return or retention of geological specimens; part of this is Brighton's own long-term correspondence with Arkell on the material of the Sedgwick itself. There are also folders dealing with research and proposed publications still in hand at the time of Arkell's death.

The papers have been kept and catalogued as an entity for the convenience of those seeking information about holdings in Cambridge. Cross-references are given where appropriate to similar material elsewhere in the collection.

The material is presented as follows:

F.1-F.2	SETTLEMENT OF THE ESTATE
F.3-F.4	MANUSCRIPTS AND PUBLICATIONS
F.5-F.43	LOANS, IDENTIFICATIONS AND RETURNS OF SPECIMENS
F.44-F.54	RESEARCH

**Sedgwick Museum, Cambridge**

<b>F.1-F.2</b>	<b>SETTLEMENT OF THE ESTATE</b>	<b>1958</b>
F.1	Bequests of fossils and journals to Cambridge (Sedgwick Museum and Department of Geology).	1958
F.2	Bequests of fossils and Arkell's Jurassic collection of books to Oxford University Museum of Natural History.  A.G. Brighton's letter of 22 May refers to Arkell's article for the <i>Encyclopaedia Britannica</i> (see E.207).	1958
<b>F.3-F.4</b>	<b>MANUSCRIPTS AND PUBLICATIONS</b>	<b>1958-1959</b>
F.3	Correspondence with colleagues on the final publication of Arkell's monograph on English Bathonian ammonites by the Palaeontographical Society.	1958-1959
F.4	Correspondence, May-September, on a proposed publication on the Thurrell collection of Kimmeridgian ammonites at the Sedgwick Museum.	1958
<b>F.5-F.43</b>	<b>LOANS, IDENTIFICATIONS AND RETURNS OF SPECIMENS</b>	<b>1948-1958</b>

This is presented alphabetically by institution or individual, for convenience only. It concerns A.G. Brighton's activity in clearing Arkell's rooms and ensuring that all the specimens sent to or collected by him had been duly dealt with and had a legitimate home.

Some of the correspondence is very brief, some includes exchanges and news from colleagues and copies of despatch notes for specimens from many years previously. By far the largest component (F.36-F.43) is with the Sedgwick Museum itself, which is listed separately as it predates Arkell's move to Cambridge and no question of return arises.

**Sedgwick Museum, Cambridge**

F.5	Arabian-American Oil Company. Correspondence with R.A. Bramkamp. See also E.117.	1958
F.6	Bomford, G.	1958
F.7	BP Exploration Company.	1958
F.8	Bradley, P.C.S.	1958
F.9	Bristol University Includes correspondence with D.T. Donovan, and a reference (letter of 2 June 1958) to Arkell's work on the Lexicon. See E.194-E.196.	1948-1958
F.10	British Museum (Natural History).	1958
F.11	Burmah Oil Company.	1958
F.12	Callomon, J.H.	1958
F.13	Collignon, M.	1958
F.14	Emburger, J.	1958
F.15	Falcon, N.L. Sicilian ammonites. See E.126-E.128.	1958

**Sedgwick Museum, Cambridge**

F.16	Fowler, J.	1958
	Letter from Fowler's daughter, offering to the Sedgwick Museum the letters her father had received from Arkell. It is not clear whether this offer was accepted but see H.16 for Arkell's correspondence with Fowler received via H.S. Torrens.	
F.17	Geological Survey, London.	1955-1958
	Includes lists of loaned specimens 1955-1958.	
F.18	Hemingway, J.E.	1958
F.19	House, M.R.	1958
F.20	Irak Petroleum Company.	1958
F.21	Matsumoto, T.	1958
	Japanese ammonites. See C.13-C.15.	
F.22	Mauberge, P.L.	1958
	Includes a little biographical material about Arkell.	
F.23	Melville, R.V.	1958
F.24	Moore, R.C.	1958
F.25	Nairobi Mines and Geological Department, Kenya.	1958

**Sedgwick Museum, Cambridge**

F.26	New Zealand Geological Survey.  Includes Arkell's identification of New Zealand ammonites and a proposed publication of his draft manuscript. Brighton's letter of 14 June states that Arkell did not appoint a literary executor.	1958
F.27	Oxford University Museum [of Natural History].  General correspondence on loans and identifications, continuing after Arkell's death and including arrangements for the transfer to Oxford of fossils and books bequeathed to the Museum.	1949-1958
F.28	Pateman, D.S.  Bedford fossils.	1956-1958
F.29	Powell, D.F.W. Baden-	1958
F.30	Pruvost, P.	1958
F.31	Reading University.	1958
F.32	Tanganyika, Department of Geological Survey.  Includes lists of Arkell's identification of specimens presented to the Sedgwick Museum.	1958-1959
F.33	Warman, H.R.	1958
F.34	Wright, C.W.	1958

**Sedgwick Museum, Cambridge**

F.35	Miscellaneous early correspondence on loans and specimens by Arkell, kept and used by Brighton in settling the estate, 1939, 1946, 1954 (Madagascar).	1939-1954
F.36-F.43	<p>Sedgwick Museum.</p> <p>This is a detailed exchange of letters, cards and lists, mainly about specimens from the Sedgwick sent to Arkell, identified and returned by him. There are a few references to publications.</p> <p>Almost all the correspondence is exchanged with A.G. Brighton, who sometimes supplied additional information; there is a little correspondence with other colleagues.</p> <p>See also E.54, E.55.</p>	1931-1947
F.36	Correspondence and papers.	1931-1932
F.37	Correspondence and papers.	1933-1934
F.38	Correspondence and papers.	1935-1936
F.39	Correspondence and papers.	1937-1938
F.40	<p>Correspondence and papers.</p> <p>Includes 6pp manuscript draft on 'The Purbeck Broken Beds', and continuing correspondence with O.T.Jones, E.M. Anderson.</p>	1939
F.41	Correspondence and papers.	1940
F.42	Correspondence and papers.	1943-1945
F.43	Correspondence and papers.	1946-1947

**Sedgwick Museum, Cambridge**

<b>F.44-F.54</b>	<b>RESEARCH</b>	<b>1934-1956</b>
	<p>This is grouped in the alphabetical order of the titles on the envelopes in which it was received. The material may cover a considerable time-span (see especially continuing work on Ampthill Clay F.44-F.49) and include Arkell's research notes on specimens from his own collection or from museums, correspondence and drafts.</p>	
F.44-F.49	'Ampthill Clay and Corallian'.	1934-1953
F.44	<p>Arkell's notes on Ampthill Clay specimens.</p> <p>Mainly in Lincolnshire and Cambridgeshire, some with photographs and localities. Work begins 1934, latest reference 1947.</p>	1934-c 1947
F.45	Correspondence with Geological Survey, London on specimens and loans.	1937-1953
F.46	Correspondence with Somerset County Museum, Taunton on loans and identification of specimens, and possible permanent loan to Sedgwick Museum.	1948-1956
F.47	<p>Correspondence with Geological Survey, London, mainly on Boxworth Rock and a revised survey, which caused some controversy.</p> <p>Includes a 'Report on Jack o' Thumbs hill-spur between Boxworth, Fen Drayton and Conington, Cambs.', 1949, and 1p later note October 1955.</p>	1949, 1955.
F.48	Correspondence on excavation and ammonites found at new sewage farm site, Sandford, Oxfordshire.	1953
F.49	Correspondence, identifications, notes and reports by Arkell and others, on Ampthill Clay ammonites in Oxford region and Cambridgeshire.	1953-1955

**Sedgwick Museum, Cambridge**

- |      |  |            |
|------|--|------------|
| F.50 | 'Cambridge Boring'.  | 1953-1955  |
|      | Correspondence, information, 9pp typescript report by Arkell 'The ammonite succession in the Oxford clay of the Cambridge boring', May 1955.   |            |
| F.51 | 'Oxford Clay fossils'.   | 1938, 1950 |
|      | Notes, descriptions of specimens, some photographed, from various museums, most dated 1938; 1p on Gamlingay ammonites dated 1950.  |            |
| F.52 | 'Persia'.  | 1951-1954  |
|      | Correspondence and information, mainly arising from Arkell's research enquiries, in preparation for his <i>Jurassic History of the World</i> . Includes some early BP reports, detailed correspondence on Arkell's identification of Elburz ammonites (north Persia) which he calls 'a feast'. See J.33. |            |
| F.53 | 'Portland Brach[iopods]'.  | c 1935     |
|      | A fuller manuscript version of Arkell's contribution to his proposed collaborative paper with C.H. Waddington on 'The Portland Beds of the Dorset mainland'. See E.198-E.200.  |            |
| F.54 | 'Spiti Shales'.  | 1955-1958  |
|      | The name refers to an area of north-west Nepal. Arkell consulted earlier ammonite collections from the Himalayas in the British Museum and elsewhere, and sponsored the 1956 Ratang-Parbati Himalaya Expedition which collected further specimens.   |            |
|      | Correspondence, expedition report, lists of specimens.   |            |



**SECTION G                      MEETINGS AND EXCURSIONS, G.1-G.7                      1939-1948**

Although Arkell is known to have attended conferences overseas, including the US and the Middle East, no documentation survives for such meetings other than occasional references in the correspondence.

The material in this section is scanty and refers only to UK meetings, 1939-1948.

See B.27 for notes on a visit to USA and Canada in 1933.

G.1                      Excursion by the Sedgwick Club Cambridge to Weymouth and Dorset Coast, led by Arkell, March 1939.                      1938-1939

Correspondence, arrangements, permissions for walking permits and visits.

G.2-G.5                      XVII International Geological Congress.                      1938-1940

The Congress was scheduled to take place in London, 31 July-8 August 1940. Arkell served on the Excursions Committee and was Convenor of Excursion A5, The Dorset Coast and the Isle of Wight. In the event the Congress was postponed *sine die*. E.B. Bailey's letter of 15 November 1939 announcing this and thanking excursions organisers, concludes 'It has been a fine bit of patriotic service to internationalism under conditions that from the first savoured of a forlorn hope' (see G.4).

The material includes background and committee papers, correspondence with organisers and colleagues, budgets and financial statements, schedules and arrangements, Arkell's draft guide for the excursion.

G.2                      January-June 1938.                      1938

G.3                      July-December 1938.                      1938

G.4                      January-December 1939.                      1939

Includes winding-up papers and E.B. Bailey's letter announcing the indefinite postponement of the Congress.

### Meetings and excursions

- |         |  |           |
|---------|--|-----------|
| G.5     | <p>Arkell's guide to the Dorset Coast section of the proposed A5 excursion.</p> <p>Manuscript and typescript drafts with comments by colleagues.</p>   | Nd        |
| G.6-G.7 | <p>XVIII International Geological Congress.</p> <p>The Congress was held in London 25 August-1 September 1948. Arkell served on the Excursions Committee and was Director of Excursion A6, Oxford District, 17-24 August.</p> <p>The Secretary was J.M. Edmonds, to whom Arkell delegated much of the organisation. Additional material can be found in J.M. Edmonds' papers in the Oxford University Museum of Natural History, NCUACS catalogue no 77/6/98, items E.6-E.8.</p> | 1946-1948 |
| G.6     | <p>Papers and correspondence, October 1946-September 1948.</p> <p>Includes committee papers of the Excursions Committee, correspondence with colleagues in particular J.M. Edmonds, travel and accommodation arrangements, excursion itineraries and participants, press cuttings, speech at dinner, letters of thanks.</p>  | 1946-1948 |
| G.7     | <p>Circulars, excursion guide.</p>   | Nd        |

**SECTION H**

**CORRESPONDENCE, H.1-H.38**

**1932-2001**

The surviving material in this section is not extensive. Arkell seems to have had a severely practical approach to letter-writing, regarding it as a research tool and keeping it with the projects, excursions or publications to which it directly referred. When bending his powers of concentration to a particular theme, he would exchange very frequent, almost daily, communications with colleagues, but he appears not to have kept up correspondence files in any less functional sense. In part this derives from Arkell's position as a largely independent scholar with only rare access to official or secretarial support. Nor was he regularly involved in the bureaucracy of modern science with its societies and conferences. Such involvement as he had with the Geological and Palaeontographical Societies, and with the Royal Society, is hardly documented in the surviving papers and not at all in this section.

Because Arkell's correspondence up to, and often after, the Second World War, was conducted in longhand on the small format writing paper and even smaller correspondence cards of the period, it is often tantalisingly one-sided. Thanks to an appeal launched by Professor W.J. Kennedy in 1998, several former colleagues made their correspondence available for this collection, and their generosity is acknowledged in the relevant entries.

As the correspondence is so resolutely 'professional', it often includes reports or comments on geological specimens similar to material in the research files elsewhere. Many of the exchanges are brief, though never inconsequential. Only a few longer-term sequences survive, such as those with J.H. Callomon (H.8), D.T. Donovan (H.11, H.12), P.L. Mauberge (H.21) and C.W. Wright (H.34, H.35). With some of his older friends, Arkell would include personal news, but these are rare.

It should be noted that although the matter of the correspondence is almost entirely professional, the correspondents were not. They include many amateur geologists and collectors, often expert in their localities, with whom Arkell was pleased to share ideas and excursions. They are identified when possible in the entries.

H.1

Adie, R.J. and Trendall, A.F.

1953

Jurassic ammonites in Antarctica.

### Correspondence

H.2	Allen, P.	1955
	Correspondence, notes, report by Arkell on 'Derived Jurassic ammonites' collected by Allen.	
	Allen was Professor of Geology at Reading University.	
H.3	Atkinson, E.O.	1943
	Atkinson, an amateur geologist and palaeontologist, describing finds in various pits and workings in the Fairford (Gloucestershire) area, was the village postmaster at Coln St Aldwyns. He rather touchingly invites Arkell 'to accept the hospitality of a village post office' to inspect pits 'within cycling distance'.	
H.4	Atkinson, R.J.C.	1944-1945
	Palaeolith from Cassington, Oxfordshire.	
H.5	Balk, R.	1937
H.6	Bigot, A.	1937, 1939
H.6A	Brighton, A.G.	1955-1958
	Letters chiefly to P. Allen on Arkell's last illness.	
H.7	Bullard, E.C.	Nd
	Enquiry about Great Oolite limestone boundaries, enclosing annotated map.	
H.8	Callomon, J.H.	1951-1956
	Letters 1955-1956 are Arkell's manuscript letters, sent by Callomon in response to an appeal by W.J. Kennedy. Also letter 1998 from Callomon forwarding the correspondence and recalling his association with Arkell, described at greater length in A.5A.	

### Correspondence

/...	Callomon read chemistry at Oxford and became Professor of Chemistry at London University. He met Arkell at Oxford and regarded him as a mentor. See A.5A.	
H.9	Cunnington, R.H.  Sarsen stones.	1943-1944
H.10	Dietrich, W.O.  Ammonites.	1936-1938
H.11, H.12	Donovan, D.T.  Two sets of correspondence, sent by Donovan for the Arkell archive in 1985. It is a two-way correspondence though Arkell's letters and cards predominate.  The content is almost entirely professional, on sites, identifications, and publications, conducted in friendly terms and referring to visits and meetings. There is some overlap with correspondence elsewhere.  Of biographical interest are the last letters 1956-1958 in H.12. Arkell had arranged a visit to Donovan in September 1956 when he had his first stroke. The visit was cancelled by telegram, and letters from his family describe his condition and the progress of his partial recovery. In 1957 Arkell was able to resume correspondence but with difficulty and, as time went on, some disappointment, though he remained dedicated to his life work. The last letters, after April 1958, are exchanged with A.G. Brighton following Arkell's death.	1948-1958
H.11	Correspondence, 26 February 1948-26 November 1952.	1948-1952
H.12	Correspondence, 10 February 1953-4 June 1958.	1953-1958
H.13	Douvill�, F.	1938

### Correspondence

- |            |   |           |
|------------|---|-----------|
| H.14       | Edmonds, J.M. and others.   | 1948-1958 |
|            | <p>General geological research news and many exchanges with Edmonds on loans, identifications and return of specimens from Oxford University Museum of Natural History, for Arkell's work on Bathonian ammonites. Arkell's last letter is dated 11 April 1958, regretting the disabilities which prevented him from working normally in the Sedgwick Museum.</p> <p>Final correspondence, about Arkell's death and funeral, is with A.G. Brighton and includes a spoof note written by him (undated) on the proliferation of doubtful new species and their nomenclature. Brighton's accompanying card begins 'I was surprised to find Arkell had preserved this - I wrote it in exasperation'.</p> |           |
| H.15       | Enay, R.  | 1957      |
| H.16, H.17 | Fowler, J.  | 1934-1958 |
|            | <p>The contents of the two folders were received from different sources and are retained as separate units.</p> <p>The material in H.16, received from H.S Torrens (in 1998), is more extensive and covers a longer timespan. It may include the letters referred to by Fowler's daughter in 1958 (see F.16) but this is not clear.</p> <p>The material in H.17 was received from the Oxford University Museum of Natural History via Mr H.P. Powell in November 1998.</p> <p>There is some overlap in the correspondence in 1944 (specimens of <i>Hecticoceras langi</i>), 1955 (specimens of <i>Parkinsonia</i>) and 1956 (<i>Spiroceras</i>).</p>  |           |
| H.16       | Letters and cards from Arkell to Fowler.  | 1934-1958 |
|            | <p>The correspondence begins in October 1934 following Fowler's complimentary reception of Arkell's <i>Jurassic System in Great Britain</i> and continues with exchanges of information, specimens, reprints etc, and, unusually, some personal news. Arkell's letter of 2 February 1945 refers to his love of field geology which determined his career despite his father's preference for the law, to his health, and to the wartime losses among French geologists and at Caen University. Arkell treated Fowler and his work with great respect, arranging deposit for his specimens in the Sedgwick Museum and consulting him</p>   |           |

### Correspondence

specimens in the Sedgwick Museum and consulting him on localities and types. His letter of 26 December 1952 describes his Christmas visit to King's College Chapel with his three sons of whom he was very proud. His last letters of 1957 and 1958 are touching about his infirmity and longing to undertake field work again.

- |      |  |            |
|------|--|------------|
| H.17 | Correspondence with Fowler.  | 1940-1956  |
|      | Exchanges, identification and deposit of specimens. Correspondence of June - August 1956 (also referred to in H.16) deals with a find made by the young H.S. Torrens whom Fowler writes of in enthusiastic terms as 'a rare boy'.  |            |
| H.18 | House, M.R.  | 1954- 1958 |
|      | Photocopied letters and cards, sent by House July 1954 - February 1958, with a covering letter to W.J. Kennedy in October 1998.  |            |
| H.19 | Hudson, J.D.   | 1956-1958  |
|      | Letters and cards, sent by Hudson with a covering letter to W.J. Kennedy in December 1998.   |            |
| H.20 | Jope, W.E.M.   | 1946, 1947 |
|      | Correspondence on the result of digs at Ascot under Wychwood, Oxfordshire.   |            |
|      | Jope read chemistry at Oriel College, Oxford and was a biochemist based at the London Hospital. In 1949 he moved to Queen's University, Belfast, as Lecturer, Reader and Professor of Archaeology. He retained a base in Oxford and served on many archaeological committees. Arkell acknowledges his help in the preparation of <i>Oxford Stone</i> . |            |
| H.21 | Mauberge, P.L.   | 1948-1956  |
|      | Arkell's tagged folder of extensive letters and cards exchanged with Mauberge (geologist at Nancy, France).  |            |
|      | Mauberge's letters, very densely typed, are in French.   |            |

### Correspondence

/...

Arkell's letters are in English at the start of the correspondence. After a short four-day visit to Paris in April 1950 (his first trip abroad since his serious illness) he felt sufficiently fluent to write at least part of his letters in French.

Detailed exchanges on work in progress, zones, identifications, reports on specimens etc., mainly of Bajocian and Bathonian ammonites, visits and publications, including a proposed joint paper on the Oxfordian. Arkell declined to be a co-author on Mauberge's paper on the Argiles de la Woevre, but accepted acknowledgement of his identifications (correspondence, May 1953). A little personal news is included.

H.22 Mawer, A. (English Place-Name Society) 1932

Spelling of Cotswolds.

H.23 Myres, J.N. 1954

Bodleian Library book purchases.

H.24 Passmore, A.D. 1938-1943

Correspondence with Arkell (Passmore's letters and cards only) is on collecting, and damage to specimens.

Passmore was an antique dealer in Swindon, and a keen collector of fossils and palaeoliths. In 1955 he gave his collection of Jurassic fossils from the Swindon area, collected by him over a period of 60 years from exposures no longer accessible, to the Oxford University Museum of Natural History, where a file of correspondence from him is also held. He died in March 1958.

H.25 Riley, D.N. 1943-1945

Correspondence (Riley's letters and cards only) on Riley's observations, ideas and publications.

At the time of this correspondence, Riley was a Flight Lieutenant in the Royal Air Force, who had become interested in ancient Thames Valley settlements revealed by crop marks observed during his sorties.



### Correspondence

H.26	Roman, F.	1937-1938
H.27	St George, J.K.  Includes manuscript and typescript drafts by Arkell, on the geology of the Isle of Wight and the Dorset coast, for a proposed collaborative work.	1950
H.28	Schindewolf, O.H.	1936-1937
H.29	Spencer, H.E.P.  Includes material on East Anglian geology.	1956
H.30	Stille, H.	1936-1939
H.31	Tutcher, J.W.  Two letters from Arkell to Tutcher requesting information. Sent by J.H. Callomon with a note: 'These slipped out of my copy of Phillips, 1829, Yorkshire, which had previously belonged to J.W. Tutcher'. Received 23 March 1999.	1939
H.32	Westermann, G. and others.  Loans and identifications, mainly Bajocian. Includes miscellaneous notes and tables by Arkell.	1953-1956
H.33	Wills, L.J.	1943
H.34-H.35	Wright, C.W.  The documents were received from different sources and are therefore kept separate though they are virtually identical in datespan.	1938-1956

## Correspondence

/...

C.W. Wright, known to Arkell as 'Bill' but more commonly as Claud or Willy, was one of Arkell's closest friends and collaborators, and one of the few who addressed him as 'Jos'.

He and his brother E.V. (Ted) Wright (see H.36) were an exceptional pair. Born in 1917 and 1918 respectively, they were both educated at Charterhouse and Christ Church Oxford, and both served and sustained injuries in the Second World War. Subsequently C.W. made his career as a civil servant in the Ministry of Defence (Deputy Under-Secretary of State) and the Department of Education, while E.V. became a Director of Reckitt and Colman. Both remained enthusiastic and expert polymathic amateurs, since their first remarkable discovery, in 1937 on the Humber foreshore near their boyhood home at Ferriby Hall, of the 'Ferriby Boats', now identified as the largest known European Bronze Age cargo vessels.

Both were honoured by learned societies and by universities; in 1987 both received honorary doctorates from the University of Hull.

H.34

Letters from Arkell to Wright, received from Wright by W.J. Kennedy, August 1938-September 1952.

1938-1952

A few letters from others are also included.

Mainly professional correspondence on identifications, nomenclature, publications. Includes c.v. of Wright and a little material by W.J. Kennedy relating to the presentation of the Strimple Award of the Palaeontological Society to Wright. In his reply Wright says, 'I am proud to be an amateur' and refers to his early collaboration with 'Jurassic Arkell'. A little material about the Caen University appeal is also included.

The correspondence is friendly in tone, with a few personal items. When it opens, Wright was still an undergraduate at Christ Church though already publishing in geological journals. Arkell's letter of 27 July 1939 congratulates him on his degree 'To have taken a 2nd in Greats in your stride while leading a full and balanced life and attaining expert standards in Cretaceous palaeontology is no mean achievement'.

Much of the later correspondence here and in H.35 refers to collaborative work on the *Treatise on Invertebrate Paleontology*.

In view of the later serious breakdown in Arkell's health, usually attributed to wartime stress, it is interesting to note that on 23 February 1941 he writes: 'I am back for

### Correspondence

Sunday after my first week as a civil servant. The strenuousness is fantastic, but I find it so far highly stimulating and healthy. I am lucky in working with bright people who generate ideas'.

- |      |  |           |
|------|--|-----------|
| H.35 | <p>Letters from Arkell to Wright received from the Oxford Museum of Natural History via W.J. Kennedy, January 1953-July 1956.</p> <p>Mainly identifications and nomenclature arising from the <i>Treatise</i>. Includes a manuscript note 'Nomenclature of families and superfamilies' headed 'sent to the Journ. Pal 14/2/54'. Not in Bibliography.</p>   | 1953-1956 |
| H.36 | <p>Wright, E.V.</p> <p>Photocopies of correspondence relating to the Caen University appeal, sent to W.J. Kennedy with a covering note 18 November 1998.</p> <p>Includes Wright's manuscript account of events in June 1944 (pp.2-5), written 1986.</p> <p>Obituary notices of Wright, who died in May 2001, are included here.</p> <p>E.V. Wright was the brother of C.W. See the introduction to H.34, H.35 above.</p> | 1944-2001 |
| H.37 | <p>Shorter correspondence.</p> <p>Thanks for publications, requests for information, identifications etc. In alphabetical order.</p>   | 1936-1952 |
| H.38 | <p>Shorter unidentified correspondence.</p>  | 1937-1939 |

**SECTION J**

**NON TEXT MATERIAL, J.1-J.52**

**1939-c 1955**

This section has been enlarged, at a very late date, by the discovery of additional material, some of it related to specific publications or projects. This new material is listed as an addendum at J.35-J.52, with cross-references given where possible.

The material is presented as follows

J.1-J.13	ILLUSTRATIONS FOR PUBLICATIONS: DRAWINGS, PHOTOGRAPHS, FIGURES
J.14-J.34	MAPS
J.35-J.52	ADDENDUM

**Non-text material**

J.1-J.13	<b>ILLUSTRATIONS FOR PUBLICATIONS: DRAWINGS, PHOTOGRAPHS, FIGURES</b>	<b>1939-1954, nd</b>
	Illustrations for publications: drawings, photographs, figures.	
J.1	Plates for 'The ammonite succession at the Woodham Brick Company's pit', <i>Quart. J. Geol. Soc. Lond.</i> vol. 95 (1939).	1939
J.2	Photographs and drawings for figures.  All figures are identified, some with detailed descriptions. Some with Geological Society stamp and probably for 'The gastropods of the Purbeck Beds', <i>Quart. J. Geol. Soc. Lond.</i> , vol. 97 (1941). 1 envelope.	1941
J.3	2 photographs of finds at Boxwell Court, South Cotswolds, 1949, 1950.  Related to work on Great Oolite.	1949, 1950
J.4	'Arabia Cretaceous'.  Photographs of ammonites in envelope with a note 'Sent to C.W. Wright 7 March 1950. Returned 15 May 1950'. See correspondence with Wright in H.34.	Nd
J.5	Miscellaneous photographs of the Dorset Coast and Ringstead Bay.	Nd
J.6	'The Geology of Oxford'.  1 box of pen drawings of corals, molluscs, gastropods, sponges, palaeoliths from the Oxford area in large format plates, all identified and with instructions to printers.  See E.93.	1947

**Non-text material**

- |          |  |        |
|----------|--|--------|
| J.7-J.10 | 'Oxford Stone'.<br><br>Miscellaneous material relating to the book and to Arkell's study of building stone.<br><br>See C.49-C.84.  | 1947   |
| J.7      | Correspondence with E.J Bowen.<br><br>Correspondence is about seismograph readings of the traffic vibration in High Street Oxford recorded by Bowen in December 1932 and reproduced with permission by Arkell in <i>Oxford Stone</i> , page 157.<br><br>Includes queries by Arkell and the original celluloid drawing for use in the book. | 1946   |
| J.8      | Arkell's list of plates.<br><br>Plates 1-37, pasted on verso of manuscript drafts for miscellaneous other publications.<br><br>Miscellaneous duplicate and spare photographs.  | c 1947 |
| J.9      | Miscellaneous figures, diagrams and maps.  | c 1947 |
| J.10     | Large scale pen drawings of mason's tools.   | c 1947 |
| J.11     | 1 box of maps and drawings for paper on the ancient channel of the Thames and its palaeoliths ( <i>Proceedings of the Prehistorical Society</i> (1948)).<br><br>Includes maps by M.S Treacher and 45 plates of drawings of palaeoliths deposited by K.P Oakley, 29 December 1948.<br><br>See C.148-C.155.                                  | 1948   |
| J.12     | Drawings of palaeoliths.<br><br>Drawings are lettered A-N, with a descriptive list by Arkell.  | c 1948 |

**Non-text material**

- |           |   |             |
|-----------|---|-------------|
| J.13      | Original drawings, diagrams and plates for volumes of Arkell's monograph on English Bathonian ammonites, c 1948.<br><br>Also includes some corrected proofs and two letters 1953, 1954 from R.V Melville.<br><br>See C.23-C.48.   | c 1948-1954 |
| J.14-J.34 | <b>MAPS</b>   | 1939-c 1955 |
| J.14-J.31 | <b>6 inch field maps</b>  | 1939-c 1955 |
|           | <p>These are Ordnance Survey sheets almost all coloured and heavily annotated by Arkell. They record stratigraphic boundaries and topographical features observed during many years of field excursions. Some are dated and described on the folders and some have dates on the maps themselves.</p> <p>The areas covered are roughly Somerset, Wiltshire, Berkshire, Oxfordshire and the Cotswolds with a smaller area of Eastern England.</p> |             |
| J.14-J.19 | Wiltshire and Berkshire.  | 1939-1950   |
| J.14      | 'Marcham-Farringdon 1938-1939'. See also J.36.  |             |
| J.15      | 'Highworth 1939-1940'.  |             |
| J.16      | 'Purton 1940'. See also J.39.   |             |
| J.17      | V.W.H. [Vale of the White Horse] 1945-46'.  |             |
| J.18      | 'Wootton Bassett 1949'.   |             |

**Non-text material**

J.19	'Yatton Regnell and Castle Combe' 1950.  Not annotated.	
J.20-J.22	Cotswolds and Bath area.	1947-c 1952
J.20	'South Cotswolds and Bath area', some dated 1948.	1948
J.21	'F.E [Fuller's Earth] of Cotswolds', some dated 1947, 1948. See also J.43.	1947-1948
J.22	'South of Bath'.  Maps received April 1995 from D.T Donovan with a covering letter in which he explains that they were part of Arkell's project on Bathonian stratigraphy, part published in their collaborative paper 1952.  See also E.123, E.124, J.43.	c 1952
J.23-J.29	Cotswolds and Oxford area.	1940-1955, nd
J.23	'Wheatley-Beckley 1940'.	1940
J.24	'Islip and Charlton 1943'.	1943
J.25	'Cunmor coral reefs'.	Nd
J.26	'Woodstock and Cherwell Valley, 1943 and January 1947'.  Includes brief correspondence from F.W Shotton 1955.	1943-1955
J.27	'Burford, Taynton, Sherborne Quarries', 1946.	1946



**Non-text material**

J.28	'Evenlode Gorge'.	Nd
J.29	'Charlbury Area'. No annotations.	Nd
J.30-J.31	Eastern Counties.	Nd
J.30	'Clipsham, Bytam' (Leicestershire).	Nd
J.31	'Barnham, West Stow, etc. 1950' (Suffolk). Not annotated.	1950
<b>J.32-J.34</b>	<b>Miscellaneous</b>	<b>1940-1954</b>
J.32	Map of distribution of Corallian rocks in Oxfordshire area. Drawings of quarries in the Cornbrash.	Nd
J.33	Map of 'Elburz Coal Survey-1940'. This map was probably sent to Arkell 1951-1954. See F.52.	1940
J.34	'Sutton Bingham' (Northamptonshire). Maps and notes used in Arkell's paper 'Three complete sections of the Cornbrash', <i>Proc. Geol. Ass. Lond.</i> , vol. 65 (1954).	1954
<b>J.35-J.52</b>	<b>ADDENDUM</b>	
J.35-J.46	Maps, charts, drawings, photographs for publications.	

**Non-text material**

- |       |  |      |
|-------|--|------|
| J.35  | <p>Map of the Upper Corallian Beds round Boars Hill and Cumnor, Oxfordshire.</p> <p>This was Plate 6 accompanying Arkell's paper 'On the nature, origin and climatic significance of the coral reefs in the vicinity of Oxford', <i>Quart. J. Geol. Soc. Lond.</i>, vol 91 (1935).</p> | 1935 |
| J.35A | <p>Photographs of Ordnance Survey map of Dorset surveyed 1889 by Sir A. Strahan, sent to Arkell in 1936 for use in his paper on Dorset tectonics.</p> <p>See C.8, E.79.</p>  | 1936 |
| J.36  | <p>'Map of the Corallian Beds between Marcham and Farringdon, Berkshire', <i>Proc. Geol. Ass. Lond.</i> vol 50 (1939).</p> <p>See also J.14.</p>   | 1939 |
| J.37  | <p>Map of Germany, with a note by Arkell 'Reproduced from the only copy in Britain, at the Geological Survey Library...July 1940', related to Arkell's paper 'Mineral Resources of Continental Europe', <i>Nature, Lond.</i>, 1941.</p> <p>See also E.84.</p>                          | 1940 |
| J.38  | <p>'Map of the Corallian Beds around Highworth, Wiltshire by W.J. Arkell 1940', <i>Proc. Geol. Ass. Lond.</i> vol 52 (1941). See also J.15.</p>  | 1941 |
| J.39  | <p>'Map of the Coralian Beds around Purton, Wiltshire by W.J. Arkell 1940', <i>Wiltsh. Archaeol. nat. Hist. Mag.</i> vol 49 (1941). See also J.16.</p>   | 1941 |
| J.40  | <p>'Geology of the Miltons and Haseleys, Oxon by W.J.Arkell'.</p> <p>Three maps, published in <i>Quart. J. Geol. Soc. Lond.</i>, vol 100 (1944).</p>   | 1944 |

**Non-text material**

- J.41 'The geology of the Evenlode gorge, Oxfordshire', *Proc. Geol. Ass. Lond.* vol 58 (1947). 1947  
Index to plate 1. See also E.94, E.95.
- J.42 'The structure of Spring Bottom Ridge and the origin of the mud-slides, Osmington, Dorset', *Proc. Geol. Ass. Lond.*, vol 62 (1951). 1951  
Maps, charts, diagrams, photographs, note of Geologists' Association Meeting, 5 May 1950, at which Arkell's paper was read.
- J.43 Three geological maps of the Gloucestershire and Cotswold areas, with dates 1946-1950, perhaps for paper with D.T. Donovan on 'Fuller's Earth of the Cotswolds', *Quart. J. Geol. Soc. Lond.*, vol 107 (1952). 1946-1950  
See also E.123, E.124, J.21, J.22.
- J.44 Maps of the south Dorset coast, Abbotsbury, Osmington, Ringstead areas, annotated and coloured, one dated 1953, perhaps for revisions to papers with C.W. and H.J.O. Wright, *Mem. Geol. Surv. U.K.* 1947, revised 1952. 1952, 1953  
See also E.88-E.92.
- J.45 'Mere Fault', drawing by B.H. Mottram 1954. 1954  
See also E.91.
- J.46 Small-scale map of the world, with geological indications by Arkell, undated, perhaps for *Jurassic Geology of the World*, 1956. c 1956  
See also E.139-E.161.
- J.47-J.50 Ordnance Survey maps.  
These are all of Dorset. Arkell wrote extensively on the area and it has not been possible to relate all the documents to a specific publication.

**Non-text material**

J.47	'Bincombe - Sutton Poyntz'	1937
J.48	Maps of the coastal area, Portland, Ringstead, Worth Matravers, Swanage, signed and dated February 1940.	1940
J.49	Vertical sections of geological formations in Dorset locations, numbered 1-5, some with annotations by Arkell.	Nd
J.50	Extensive maps of Dorset, on various scales, all annotated and/or coloured by Arkell.	Nd
J.51-J.52	Swindon.	
J.51	'Large scale road map of twenty miles about Swindon', undated but c 1918-1920.  Arkell has added geological formations in colour, and inked in roads centred on Highworth, perhaps his cycling trips. One is marked 'From Wellington [Arkell's school] 50 miles'.	c 1918-1920
J.52	Ordnance Survey map with the area west of Swindon inked and coloured.	Nd

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